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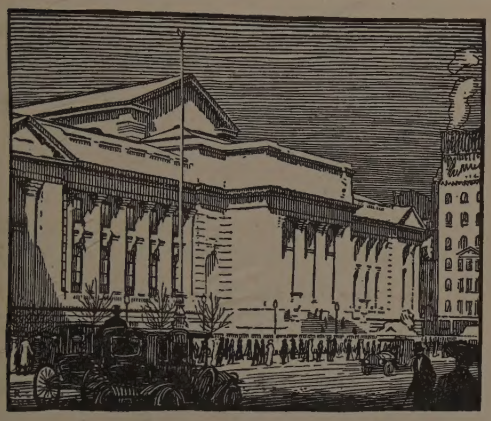

OCTOBER, 1925

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BULLETIN

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ASTOR, LENOX AND TILDEN FOUNDATIONS

VOLUME 29 OCTOBER, 1925 NUMBER 10

# A HUNDRED YEARS OF GRAND OPERA IN NEW YORK 1825–1925

## A LIST OF RECORDS

BY JULIUS MATTFELD
Music Division

## INTRODUCTION

THE subject of opera has always been a fascinating one. Ever since the little group of sixteenth century enthusiasts met in the salon of Count Bardi's legatine palace in Florence, men and women of all ranks and station and types have found in it an attraction and sought to draw from it artistic and personal benefits. The story is still untold in its entirety, so varied has been the career of opera and so extended its ramifications. It is a story full of glamor, aspirations, individual triumphs — and failures, managerial achievements and debacles, machinations and saddening episodes — a story for a writer alive with human sympathies and equipped with the knowledge of a musical scholar.

To-day opera is an integral part of the musical life of nearly every civilized country. It has attained to great heights; and it has fallen to exceedingly low depths, lapsing lamentably from the high conceptions which actuated its first successful founders. Yet the Greek ideals of this group which brought it into being under the patronage of a secular-minded churchman of the Italian Rennaissance are, perhaps, being slowly realized in our day, in a different connotation than they conceived it, in the open-air productions of opera and its Icarian flight through the air on the wings of the radio. In the former aspect, it is finding a place in the life of the community; in the latter, it is becoming a companion of the home. Either aspect, it is not too rash to speculate, may develop a newer type of entertainment and source of edification. Whereas the early innovators of opera transferred the Greek method of production in the open air of

an amphitheatre to the enclosed space of the indoor theatre, the modern attempts at open-air performances are, in a measure, a return to the classic precedent. The motion picture, also, may not be without effect on future operatic production.

The following compilation was prepared in commemoration of the one hundredth anniversary of the introduction of Italian opera in the United States. Four other coincident events of the year are notable in this connection. The first in point of time is the death of Gustave Garcia, the grandson of New York's first opera impresario; the second, the decision to raze the Academy of Music, the former seat of grand opera in New York and the predecessor of the Metropolitan Opera House. The third is the disposal of the plot at 17–21 John Street, the site of New York's first theatre, from 1767 to 1798, known as the John Street Theatre, which Washington is said to have visited while President and a resident of New York. In this theatre was acted on April 16, 1787, Royall Tyler's comedy, "The Contrast," the first play by a native playwright to be produced in America. A house of two floors occupies the plot at present. A seventeen-story skyscraper is to be erected in its place — strangely realizing the title of Tyler's piece! — to be called the Tyler Building in honor of the dramatist. The fourth is the demolition of the one-time fashionable concert room, Steinway Hall, on Fourteenth Street. Here Dickens gave a series of readings from his novels, Mark Twain delivered his first New York lecture, General William T. Sherman thrilled his audience with a recital of his famous March to the Sea, Henry M. Stanley told of "The Horrors of the Slave Trade in Central Africa," and Adelaide Ristori, the renowned Italian tragedienne, made her first bow to the American public. Here Christine Nilsson made her first American appearance on Sept. 23, 1870, the composer-pianist, Anton Rubinstein, drew his first American admirers in 1872, and the boy Fritz Kreisler, a virtuoso of thirteen years, first ravished the ears of New York's music lovers. Many another concert, vocal and instrumental, by Theodore Thomas, Anton Seidl and others, filled the capacity of the auditorium.

This compilation is an alphabetical and chronological record of one hundred years of operatic production in New York. Lack of space forced the list to be confined to grand opera. Light opera is excluded, however important in its own sphere. In adhering to this plan, the compiler was compelled to omit the comic operas of such composers as Offenbach, Johann Strauss, Sir Arthur Sullivan, Reginald DeKoven, Victor Herbert, and others, as well as the myriad tuneful musical comedies of lesser men, despite the fact that many operas herein listed are of less significance historically and as works of the operatic stage.

Sundry exceptions to the above have been made, particularly in regard to the operas produced at the Opéra Comique of Paris and the compositions in dramatic form by Beethoven, Weber, Mendelssohn, Schumann and other outstanding figures in the history of music, such as "Egmont," "Midsummer

Night's Dream" and "Manfred," and operas performed in New York in concert form, as Berlioz's "Les Troyens à Carthage," and Rubinstein's "Der Thurm zu Babel."

The compiler has also attempted to add three features of interest to musicians and writers on music. The first includes notices of certain musical dramatic works, never performed in New York, of which either the overture or vocal or instrumental selections were rendered in concerts during the first years of opera production in New York. The second is a mention of the open-air productions of opera in New York and the third, references to the operas broadcast by radio stations in New York.

The material offered here, then, may seem at first glance a duplication of the writings of Frederic Louis Ritter, Henry Edward Krehbiel, Esther Singleton, Henry C. Lahee, and others. A comparison of the present compilation with the labors of these authors will disclose, however, not only a difference in plan and execution, but a wealth of material insufficiently, even inadequately, treated by them. This compilation, in its restricted form, endeavors to supply for a period of one hundred years, from 1825 to 1925, a list of references to operatic performances which will supplement the work so thoroughly inaugurated by O. G. Sonneck's "Early Opera in America." The operatic doings of the first quarter of the nineteenth century are not touched upon in the present compilation, as outside of its scope, and find only an occasional note.

In the preparation of this work, the compiler has consulted the following two classes of material. The first embraces the books and magazine articles dealing with the subject, listed in the selected bibliography appended to this introduction. To these should be added, among others too numerous to mention, F. Clément and P. Larousse, "Dictionnaire des Opéras" (edited by A. Pougin); H. Riemann, "Opern-Handbuch"; G. Albinati, "Piccolo Dizionario di Opere Teatrali," the compilations by W. G. Armstrong and G. H. Wilson; George P. Upton, "Musical Memories," and various magazine articles, dealing with musical life and conditions in New Orleans and San Francisco. The second class includes the newspapers and periodicals of the period covered by this compilation, namely, "The Euterpeiad," "The New York Musical Review and Gazette," "The American Art Journal," "Freund's Musical Weekly," "Freund's Music and Drama," "Musical America," "Musical Courier," "Musikalisches Wochenblatt," "Signale für die musikalische Welt," "Anglo-American," "The Albion," "The New York Spy," "The New York Mirror," "Morning Courier and Enquirer," "The New York Dramatic Mirror," "The Evening Post," "The New York Herald," "The New York Times," "The New York Tribune," "The Commercial Advertiser" and "New Yorker Staats Zeitung." The chief source of the compiler's information is the second group.

Among the works consulted by the present compiler, J. N. Ireland's "Records of the New York Stage, from 1750 to 1860," and T. A. Brown's "A History of the New York Stage from its First Performance in 1732 to

1901," have been of inestimable value. Bristling with facts and data, they aggregate 1,403 and 1,846 pages respectively. Unfortunately, these writers, though giving attention to operatic performances, are not always dependable or specific in their reports. They pass over many details of interest and importance and in some instances omit the dates of American premieres of well-known European operas. Not infrequently, too, they err in the date of a premiere by basing their record on the advertisement of a production which they failed to verify with a review or notice of the actual performance itself, in some cases occurring several days later on account of a postponement. Typographical errors, partly occasioned, perhaps, by a misreading of their notes or due to an oversight in proofreading, are to be found. Strange to say, in common with later writers, they have ignored the bulk of early French operas performed in New York by the company from New Orleans. Nevertheless, despite these discrepancies, their compilations cannot be too highly recommended.

In 1882, the "Century Magazine" published in four installments a story of "Opera in New York," by Richard Grant White. The account is weak in dates of first performances, but informative and illustrated. As an early essay to tell the incidents of New York's operatic beginnings, the article was an aid to later writers. Its value has now been lessened by the subsequent results to which it contributed, often without an acknowledgement of indebtedness on the part of the borrowers.

Ritter's "Music in America" deals with operatic history in New York from the middle of the eighteenth century to the spring of 1889. In his treatment, he gives an extended account which is fairly trustworthy on the whole, but not always reliable in details. The author was seriously handicapped by the material at hand. He admittedly made use of the Drexel music collection, then in Philadelphia and at present incorporated in the Music Division of The New York Public Library. Unfortunately, Drexel's collection was not extensive in American sources. "Dwight's Journal of Music," "The Euterpeiad," and the "New York Musical Review and Gazette" were the only larger periodicals of the time in the collection which could furnish Ritter with reports of contemporary musical events in the United States. As a result, Ritter's account of opera in New York is general rather than specific.

In December, 1898, Miss Esther Singleton wrote in the "Musical Courier" (New York) a long magazine article under the title, "History of the Opera in New York from 1750 to 1898." The story covers fifteen large folio pages, two columns to a page, with illustrations. In its allotted space it is by far one of the best and most useful accounts yet written, covering the subject period by period, but necessarily restricted in details. As a pilot to H. E. Krehbiel's leviathan "Chapters of Opera" and its continuation, "More Chapters of Opera," Miss Singleton's article should not be overlooked, supplementing the work of the eminent critic in many departments and supplying a vast amount of information and data of which he took no cognizance.

The late Henry Edward Krehbiel was New York's chronicler of opera par excellence. His "Chapters of Opera" and "More Chapters of Opera" narrate the tale of operatic production in New York with all its glamor and shortcomings, managerial rivalries and enormous expenditure of money. The story in the first volume is, generally, more entertaining than historical; in the second, it is more critical of the operas performed at the Metropolitan and Manhattan opera houses. The first volume begins with the performances at the Park Theatre in 1825, taking up in turn the events at the Richmond Hill Theatre, Palmo's Opera House, the life of Lorenzo da Ponte (Mozart's librettist and the first professor of Italian at Columbia University) in New York, the Astor Place Opera House and the Academy of Music (soon to be razed), as a prelude to the operatic history of the Metropolitan Opera House. The performances in the smaller houses on the Bowery and along Broadway, like the New York Stadt Theatre, the German Opera House (the old Wallack's Theatre), Haverly's Fifth Avenue Theatre and the Théatre Français, do not come in for consideration. Like Ireland, Brown, Ritter, White, and Miss Singleton, Krehbiel omits mention of the early French productions of 1827, 1833 and later. He makes use of Ritter's "Music in America" and follows a straight line to 1918. In his account of productions prior to the opening of the Metropolitan Opera House, he gives little attention to the dates of first performances or to the productions in other languages of the same operas. In the second volume, "More Chapters of Opera," the story is more fully told. No one who has in any way entered this field will underestimate the value of Krehbiel's work or can be without a sense of gratitude to him for it.

This compilation does not presume to take the place of the preceding publications. Its purpose is wholly dissimilar. In this compilation, the writer has sought to present briefly in a systematic form for quick reference:

1. A list of the operas and other musical dramatic works performed in New York, their number of acts, librettists and composers, and, in parentheses, the place and date of first performance.
2. The place and date of the first performance in New York, and a record of the language in which it was sung in New York.
3. The earliest dates of subsequent performances in New York in other languages.
4. The dates of open-air performances in New York.
5. The dates of broadcastings by radio stations in New York.
6. The dates of performances in other cities in America.
7. A review of the principal writings on the subject of opera in New York.
8. A selected bibliography of works dealing with the operatic life of New York.
9. A brief historical survey of the establishment of grand opera in New York.
10. A chronology of the grand operas performed in New York from 1825 to 1925.

The dates offered in this compilation have been for the most part verified in the newspapers and the musical journals. The dates which have been accepted by other writers and are either incorrect or have been differently fixed by the present compiler are quoted in parentheses. The asterisk (*)

before a New York date indicates the first performance in the United States, which in most cases is the first in the western hemisphere. The date of the first performance in this part of the globe when definitely known, is specified in the notes. The dates of the first performances in New York are reasonably positive. On the other hand, absolute accuracy cannot always be attached to the secondary dates (those of performances of operas in other languages), as being the first performance in a given language. That some may be earlier is not unlikely; but the compiler vouches for a certainty that a performance in that language on the date noted actually did take place.

The compiler desires to thank Dr. Otto Kinkeldey, head of the music department at Cornell University, for his interest and helpful suggestions, Mr. Waldemar Rieck, of "Musical America," for exchange of courtesies, and Mr. Daniel C. Haskell for his assistance in the preparation of the writer's manuscript. Finally, the compiler wishes to express his indebtedness to all writers, mentioned or unnamed, whose labors have aided in the collection of the matter offered here.

## A SELECTED BIBLIOGRAPHY OF WRITINGS DEALING WITH GRAND OPERA IN NEW YORK

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The **Art** of music: volume 4. Music in America. Department editors: Arthur Farwell and W. Dermont Darby. Introduction by Arthur Farwell. New York: The National Society of Music [cop. 1915]. xxix p., 1 l., 478 p. 8°. *** MF**

**Boyd,** Charles Newell. *See* **Pratt,** Waldo Selden, and C. N. Boyd.

**Brown,** Thomas Allston. A history of the New York stage from its first performance in 1732 to 1901. New York: Dodd, Mead & Co., 1903. 3 v. 8°. *** R – NBL**

**Champlin,** John Denison. Nearly two centuries of music. illus. (In: J. G. Wilson. The memorial history of the city of New York, from its first settlement to the year 1892. [New York:] New-York History Co., 1893. v. 4, p. 165–187.) *** R – Room 328**

**D.,** H. N. Theatres in 1825 and 1826. (In: Old New York, a journal relating to the history and antiquities of New York City. New York, 1889. 4°. v. 1, p. 116–126.) **IRGC**

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**Farrar,** Geraldine. Geraldine Farrar; the story of an American singer. Boston: Houghton Mifflin Co., 1916. ix(i) p., 1 l., 114 p., 1 l. illus. 8°. *** MEC (Farrar)**

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—— Old New York: or, Reminiscences of the past sixty years. With a memoir of the author. New York: W. J. Widdleton, 1865. cxxxvi, 400 p. 4°. **IRGC**

**Hess,** C. D. Early opera in America. illus. (Cosmopolitan. New York, 1901–02. 8°. v. 32, p. 139–152.) *** DA**

The author was an impresario, head of the opera troupe, C. D. Hess & Co., and one of the directors of "The Parepa-Rosa Grand English Opera Company" in America.

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Reprinted from "The New York Times."

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**Key,** Pierre Van Rensselaer, and Bruno Zirato. Enrico Caruso; a biography. Boston: Little, Brown and Co., 1922. xv, 455 p. illus. 8°. * **MEC (Caruso)**

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**Kobbé,** Gustav. Putting on grand opera. illus. (Cosmopolitan. New York, 1901–02. 8°. v. 32, p. 247–256.) * **DA**

—— Signora. New York: T. Y. Crowell and Co. [cop. 1907.] 2 p.l., 205 p. illus. 8°. **NBO**

A musical novel, written around the Metropolitan Opera House. Published in 1902 under the title, "Signora, a child of the opera house" (New York: R. H. Russell).

**Krehbiel,** Henry Edward. Chapters of opera; being historical and critical observations and records concerning the lyric drama in New York, from its earliest days, down to the present time. New York: H. Holt and Co., 1909. xvii, 435 p. illus. 8°. * **MFC**

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—— Opera in the United States. (In: Grove's Dictionary of music and musicians, edited by J. A. Fuller Maitland. New York: The Macmillan Co., 1907. 8°. v. 3, p. 466–472.) * **MD**

A continuation of this article will be found in "Grove's Dictionary of music and musicians," American supplement, v. 6, p. 292–296.

—— Review of the New York musical season 1885–1886 [to 1889–1890]. Containing programmes of noteworthy occurrences, with numerous criticisms. New York: Novello, Ewer & Co., 1886–90. 5 v. 8°. * **MGD**

**Lahee,** Henry Charles. Annals of music in America; a chronological record of significant musical events, from 1640 to the present day, with comments on the various periods into which the work is divided. Boston: Marshall Jones Co., 1922. vii p., 1 l., 298 p. 8°. * **MF**

—— Grand opera in America. Boston: L. C. Page & Co., 1902. vi, 7–348 p. illus. 12°. (Music lovers' series.) * **MFC**

—— The grand opera singers of to-day; an account of the leading operatic stars who have sung during recent years, together with a sketch of the chief operatic enterprises. Boston: The Page Co., 1922. x p., 1 l., 543 p. illus. new rev. ed. 8°. * **ME**

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"The Manhattan Opera House," p. 121–259.

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—— *See also* **Rieck,** Waldemar.

**Marzo,** Eduardo. A golden winter 39 years ago. illus. (Musical America. New York, 1918. f°. v. 28, no. 11, p. 11.) * **MA**

—— Touring the states with Strakosch's stars in '73. illus. (Musical America. New York, 1918. f°. v. 27, no. 14, p. 8, 11.) * **MA**

—— When Campanini and Maurel stirred New York; "touring the provinces" with a noted troupe. illus. (Musical America. New York, 1918. f°. v. 27, no. 19, p. 11.) * **MA**

—— When New York repudiated Offenbach as a conductor. illus. (Musical America. New York, 1918. f°. v. 27, no. 24, p. 9, 11.) * **MA**

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Clipping from The Sun, New York, July 5, 1908.

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Contains much information about American opera companies.

"The Metropolitan Opera House in New York," p. 292–296, is a continuation of H. E. Krehbiel's "Opera in the United States" in "Grove's Dictionary of music and musicians," v. 3, p. 466–472.

**Richard** Wagner's erste Apostel in New York. [New York, 1908.] 3 l. 4°. *** MFC p.v.2, no.11.**

Clipping from the New Yorker Revue, July 19, 1908.

**Rieck,** Waldemar. Max Maretzek — impresario, conductor and composer. illus. (Musical courier. New York, 1922. f°. v. 84, no. 25, p. 6–7, 47.) *** MA**

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**Serruys,** Margaret. Italian opera introduced to New York 100 years ago. [New York, 1925.] 2 l. 4°. *** MF p.v.6**

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**Singleton,** Esther. History of the opera in New York from 1750 to 1898. (Musical courier. New York, 1898. v. 37, no. 23. [15 p.]) *** MA**

**Sohn,** J. Music: lessons of the operatic season. Opera in New York. (The Forum. New York, 1903. 8°. v. 34, p. 561–575.) ***DA**

—— —— Extract. *** MFC p.v.1, no.16.**

**Somigli,** Carlo. L'attuale situazione e la nuova produzione operatoria teatrale negli Stati Uniti dell' America del Nord. (Rivista musicale italiana. Torino, 1912–16. 8°. anno 19, p. 898–915; anno 20, p. 354–376; anno 21, p. 513–569; anno 22, p. 651–689.) *** MA**

**Sonneck,** Oscar George Theodore. Early American operas. (Internationale Musik-Gesellschaft. Sammelbände. Leipzig, 1904–05. Jahrg. 6, p. 428–495.) *** MA**

With musical examples.

Reprinted in his "Miscellaneous studies in the history of music," New York: The Macmillan Co., 1921, p. 16–92, **MGA*.

—— Early opera in America. New York: G. Schirmer [1915]. viii, 230 p. illus. 8°. *** MFC**

The first part of this work appeared in the "New music review," New York, June – Aug., 1907.

—— Pre-Revolutionary opera in America. (New music review. New York, 1907. v. 6, p. 438–444, 500–506, 562–569.) *** MA**

These studies were incorporated in his "Early opera in America" (above).

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**Stuerenburg,** E. New Yorker Opernpioniere. Aus Geschichte und persönlichen Erinnerungen. New York, 1908. 2 p. illus. f°. *** MFC**

Extract from the "Sonntagsblatt der New Yorker Staats-Zeitung," Nov. 1, 1908.

**Wemyss,** Francis Courtney. Twenty-six years of the life of an actor and manager. Interspersed with sketches, anecdotes and opinions of the professional merits of the most celebrated actors and actresses of our day. New York: Burgess, Stringer and Co., 1847. 2 v. in 1. 12°. **AN**

Although chiefly an account of theatrical life in Philadelphia, this book contains information about singers who appeared in English opera in New York.

**White,** Richard Grant. Opera in New York. (Century. New York, 1882. 8°. v. 23 [new series, v. 1], p. 686–703, 865–882; v. 24 [new series, v. 2], p. 31–43, 193–210.) *** DA**

**Young,** James C. Academy of Music bows to a new era. Its old walls, soon to be torn down, hold wealth of stage history. [New York, 1925.] 3 l. 4°. *** MF p.v.6.**

Clipping from The New York Times magazine, Aug. 30, 1925.

**Zirato,** Bruno. *See* **Key,** Pierre Van Rensselaer, and Bruno Zirato.

*(To be continued)*

# NEWS OF THE MONTH

## GIFTS

DURING the month of September, 1925, there were received as gifts, 1,981 volumes, 7,073 pamphlets, and 7 prints. Some of the more interesting and important gifts received were the following:

From the Estate of S. S. Howland came a collection of books on horsemanship, 5 volumes and 1 pamphlet. The Rosebery Burns Club of Glasgow, gave a set, in seven volumes, of the poems of Robert Burns, embossed in Braille at the Royal Blind Asylum and School, Edinburgh. From Mrs. William Trevor came 16 photographs of actors and actresses; 24 framed theatre programmes; and 89 periodicals, including a file of "The Connoisseur" from 1902 to 1908. From Mr. Paul Wilstach came a collection of 32 photographs of Richard Mansfield at various ages and as various stage characters, also programmes of plays in which Mansfield appeared.

Interesting collections were received during the month from the following: Brooks Brothers (64 city directories, and other reference books); Mr. Ralph Ingalls (19 volumes and 1 pamphlet, relating to co-operation); Dr. Forbes R. McCreery (30 volumes); Mr. William J. Norton (162 volumes, 23 pamphlets); Miss Elizabeth W. Putnam (14 volumes and 2 pamphlets); Dr. Jacob Shatzki (52 volumes and 64 pamphlets); Simmons-Boardman Publishing Company (62 volumes of the Commercial and Financial Chronicle, 1906–1922); Mrs. George W. Smith (8 volumes); Miss Luella Stewart (11 volumes); and Mrs. L. Worthan (42 volumes and 37 pamphlets).

From the Alabama Federation of Music Clubs, Selma, Alabama, came "Musical Alabama, issued by The Alabama Federation of Music Clubs, Selma, Ala., 1925." From Edward Lyman Bill, Inc., came a copy of "Piano Playing Mechanisms," by William Braid White, New York, 1925. Mr. Ewald Schniewind gave a collection of instrumental music issued by the Society for the Publication of American Music, 1920–1924.

The following gifts of prints were received during the month: From Mr. A. Vargish, Union City, N. J., came his etching, "A River." From M. Georges Le Meilleur, Paris, came three of his etchings—"La Corvée d'eau à St. Martin," "La Poulinière," "Le pas grillant sur Petits-Dalles." From the Estate of H. J. Falk came an etching by Jacques Reich, "W. C. Bryant"; a mezzotint by Bridgewater, "Girl with book"; also a color photography portrait in case, called a "diascope" and invented and patented by H. J. Falk.

## ADDITIONS AND USE OF THE LIBRARY IN SEPTEMBER, 1925

DURING the month of September, 1925, there were received at the Library 11,025 volumes and 8,209 pamphlets. (These include the additions to the Reference and Circulation Departments.) The total number of readers recorded in the Central Building was 114,272. They consulted 244,620 volumes. Visitors to the building numbered 294,545.

# NEW PERIODICALS

**Arbeiter** Ring Shul bulletin. New York. Monthly.
Published by The Educational Department of the Workmen's Circle.

**Australasian** stationery & fancy goods journal, and booksellers and newsagents news. Melbourne, Australia. Monthly.

**Bellona,** pub. by Wojskowy Instytut Naukowo-Wydawniczny. Warsaw, Poland. Monthly.

**Bordeaux.** — Université: Institut d'Études et de Documentation Économiques et Sociales. Bulletin bibliographique. séries A, B, C. Bordeaux, France.

**Building Congress** news. New York. Monthly.
Published by The New York Building Congress.

**California Conference of Social Work.** Quarterly bulletin. San Francisco. Quarterly.

**Chile.** — Oficina Central de Estadística. Monthly statistical report. Santiago. Monthly.

**Colombia.** — Amtliches Informations- und Propagandabüro. Colombia. Hamburg, Germany. Monthly.

**Confederación argentina del comercio de la industria y de la producción.** Estudio de problemas nacionales. Buenos Aires. Irregular.

An **Deoraidhe.** New York. Quarterly.
A magazine in the interests of the Irish language.

Die **Deutsche** Familie. Innsbruck, Austria. Semi-monthly.

**Fascist** bulletin. London. Weekly.
Organ of British Fascists.

**Freireligiöse Gemeinde Leipzig.** Mitteilungsblatt. Leipzig. Monthly.

**Fruehling.** Hannover, Germany. Monthly.

**Genealogists** magazine. London. Quarterly.
Continuation of Society of Genealogists. *Quarterly queries.*

**Indian** library journal. Bezwada, India. Quarterly.
Published on behalf of The All India Public Library Association.

The **Indian** textile journal. Bombay, India. Monthly.

**International** telephone review. New York. Quarterly.

**Islamica.** Leipzig. Quarterly.
Supplementary volume to *Asia Major.*

**Kultur** und Leben. Nürnberg, Germany. Monthly.

**Maandblad** voor beeldende Kunsten. Amsterdam, Netherlands. Monthly.

**Mexican** folkways. Mexico, D. F. Bimonthly.

**Mexico.** — Secretaría de Industria, Comercio y Trabajo. Boletín comercial. Mexico, D. F. Three times a week.

**Mexico.** — Secretaría de Relaciones Exteriores. Boletín de información. Mexico, D. F. Semi-monthly.

**Monthly** journal of literature. New York. Monthly.

**Moody's Investors Service.** Governments. New York. Monthly.

**Mundo** al dia. Bogota, Colombia. Daily.

**Musical** truth. Elkhart, Indiana. Irregular.

**National** d'Alsace. Strasbourg. Weekly.

**New York Building Congress.** Summary of building conditions in New York. New York. Quarterly.

La **Noticia.** Managua, Nicaragua. Daily.

Le **Nouveau** siècle. Paris. Weekly.

**Observatorul astronomic si meteorologic din Roumania.** Buletinul lunar. Bucarest. Monthly.

Le **Penseur.** Liège, Belgium. Monthly.

**Philippine Islands.** — Bureau of Commerce & Industry. Commerce & industry journal. Manila, P. I. Monthly.

**Portland City Club** bulletin. Portland, Ore. Weekly.

De **Prins.** Amsterdam, Netherlands. Weekly.

**Professional** photographer. London. Monthly.

**Prussia.** — Ministerium für Volkswohlfahrt. Volkswohlfahrt. Berlin. Semi-monthly.

**Revista** telefónica internacional. New York. Quarterly.

**San Diego** business. San Diego, Cal. Monthly.
Published by The San Diego Chamber of Commerce.

**Schweizerische** Monatshefte für Politik und Kultur. Zürich, Switzerland. Monthly.

**Scuola** positiva. Milano. Monthly.

**Society of Cultural Relations with Foreign Countries.** Bulletin. Moscow. Monthly.

**Strasbourg.** — Chambre de Commerce. Bulletin trimestriel. Strasbourg. Quarterly.

The **Supplement.** Brooklyn, N. Y. Monthly.

**This** quarter. Paris. Quarterly.

**Tiba.** Revue générale de teinture, impression, blanchiment, apprêt. Paris. Monthly.

**Turistik,** Alpinismus und Wintersport. Kesmark, Czechoslovakia. Monthly.
Herausgeber: der Karpathenverein.

**United States.** — Air Service. Aeronautical bulletin. State summaries series. Washington, D. C. Irregular.

La **Vanguardia.** Manila, P. I. Daily.

**Vogue** fashion bi-monthly. Greenwich, Conn. Bi-monthly.
Formed by the combination of *Children's Vogue* and *Vogue pattern book.*

The **Washington** Daily American. Washington, D. C. Daily.

**Wenrich** family bulletin. Malden, Mass. Irregular.

**Wissen** und Wehr. Berlin. Monthly.

**World** travel gazette. London. Quarterly.

# CHEMISTRY AND MANUFACTURE OF WRITING AND PRINTING INKS

## A LIST OF REFERENCES IN THE NEW YORK PUBLIC LIBRARY

COMPILED BY

WILLIAM B. GAMBLE

Chief of the Division of Science and Technology

PART III

*(Conclusion)*

## PATENTS — GERMANY

The Library has no specifications. Brief abstracts are contained in the official Auszüge aus den Patentschriften. The date following the patent number denotes the year of application.

***1768. Wohlfarth, A.** 6916. 1878.

Printers' metallic ink.

***1769. Guenther, H.** 9566. 1879.

Aus., 1880, p. 205; Wag. Jahr., 1880, Jahrg. 26, p. 795; J.A.C.S., 1880, v. 2, p. 231; Ber., 1880, Jahrg. 13, p. 942; Lange, v. 3, p. 207.

Printers' black ink. Asphalt, tar oil, anilin violet, resin oil.

***1770. Guenther, H.** 11930. 1880.

Aus., 1880, p. 638; Wag. Jahr., 1880, Jahrg. 26, p. 795; J.A.C.S., 1881, v. 3, p. 71; Ber., 1880, Jahrg. 13, p. 2101, 2449; Lange, v. 3, p. 207.

Printers' black ink. Tar oil from anthracene, copper chloride, anilin violet. Addition to D. R. P. no. 9566, 1879.

***1771. Wilhelm, J. J.** 12282. 1879.

Aus., 1881, p. 74; Wag. Jahr., 1881, Jahrg. 27, p. 943; Ber., 1881, Jahrg. 14, p. 123; J.A.C.S., 1881, v. 3, p. 75; Lange, v. 3, p. 207.

Printers' ink. Coal tar, colophony, paraffin, oil, potassium chloride, glycerin, lampblack, and dark anilin color.

***1772. Wilhelm, J. J.** 12286. 1880.

Aus., 1881, p. 74; Wag. Jahr., 1881, Jahrg. 27, p. 943; J.A.C.S., 1881, v. 3, p. 75; Ber., 1881, Jahrg. 14, p. 123.

Printers' black ink. Coal tar, sulphuric acid, soda, chlorine, lard, glycerin, lampblack, with modifications.

**1773. Frobeen, L.** 14942. 1881.

Aus., 1881, p. 523; Wag. Jahr., 1881, Jahrg. 27, p. 892.

Fireproof ink. Metallic color, watercolor, platinum chloride, gum arabic.

***1774. Brackebusch, H.** 16227. 1881.

Aus., 1881, p. 834; Wag. Jahr., 1881, Jahrg. 27, p. 944; J.S.C.I., 1882, v. 1, p. 21, 63; Tech. chem. J., 1882–83, Jahrg. 5, p. 461; Ber., 1881, Jahrg. 14, p. 2715; Lange, v. 3, p. 205.

Printers' colored ink. Paraffin oil, colophony.

***1775. Guenther, H.** 16905. 1881.

Aus., 1882, p. 96; Wag. Jahr., 1882, Jahrg. 28, p. 1041; Ber., 1882, Jahrg. 15, p. 402; Tech. chem. J., 1882–83, Jahrg. 5, p. 461; Lange, v. 3, p. 206.

Printers' black ink. Addition to D. R. P. no. 9566, 1879.

***1776. Reissig, W.** 17462. 1881.

Aus., 1882, p. 220; Wag. Jahr., 1882, Jahrg. 28, p. 1040; J.S.C.I., 1882, v. 1, p. 145; Tech. chem. J., 1882–83, Jahrg. 5, p. 461; Lange, v. 3, p. 207.

Black safety printing and stamping ink. Addition of iron salts, or of metallic iron, to inks made from lampblack and linseed oil varnish.

***1777. Magne, J. J.** 17515. 1881.

Aus., 1882, p. 403; Wag. Jahr., 1882, Jahrg. 28, p. 1013; Tech. chem. J., 1881–82, Jahrg. 4, p. 361; Lange, v. 3, p. 204, 215.

Autographic transfer ink. Varnish, double salt of chromium, potassium ferricyanid, and a color. Also uses a pencil composed of paraffin and pine soot.

***1778. Martens, J. F.** 17560. 1881.

Aus., 1882, p. 348.

Autographic transfer process, using special paper with a solution of chrome alum and a color.

**1779. Schmidt, C., and E. Vehl.** 19219. 1882.

Aus., 1882, p. 518; J.S.C.I., 1882, v. 1, p. 403; Tech. chem. J., 1882–83, Jahrg. 5, p. 515.

Paper treated with sympathetic ink. Uses linseed oil, ammonia, and water.

*Patents — Germany, continued.*

**1780. Knab,** C. 20600. 1882.

Aus., 1883, p. 61; Wag. Jahr., 1883, Jahrg. 29, p. 1131; J.S.C.I., 1883, v. 2, p. 183; Tech. chem. J., 1883–84, Jahrg. 6, p. 432; Lange, v. 3, p. 213.

Blue-black signature ink. Logwood extract, alcohol, hydrochloric acid, potassium chromate, dextrin, and kaolin.

***1781. Gebrueder Schmidt.** 21408. 1882.

Aus., 1883, p. 154; Wag. Jahr., 1883, Jahrg. 29, p. 1131; J.S.C.I., 1883, v. 2, p. 243; Tech. chem. J., 1882–83, Jahrg. 5, p. 461; Lange, v. 3, p. 207.

Black printing and stamping ink. Linseed oil varnish, superoxide of manganese. Makes paper adaptable to de-inking.

**1782. Gebrueder Schmidt.** 21740. 1882.

Aus., 1883, p. 183.

Transfer ink for embroidery. Printers' ink, wax, and glycerin.

**1783. Appleyard,** T. W., jr., and others. 27585. 1883.

Aus., 1884, p. 407; Tech. chem. J., 1883–84, Jahrg. 6, p. 411; Ber., 1884, Jahrg. 17, Referate, p. 340.

Black writing ink. Tannic acid, soda lye, iron vitriol.

***1784. Guichard,** E. A. D. 31171. 1884.

Aus., 1885, p. 260; Wag. Jahr., 1885, Jahrg. 31, p. 1039; Tech. chem. J., 1884–85, Jahrg. 7, p. 479.

De-inking process.

***1785. Lischke,** F. A., and E. Lauterbach. 32509. 1884.

Aus., 1885, p. 437.

Lithographic ink. Glycerin, varnish, sodium chloride, and caramel.

***1786. Brings,** W. 47942. 1888.

Tech. chem. J., 1889–90, Jahrg. 12, p. 518.

Lithographic and metal plate ink. Resin-free printers' ink in conjunction with a solution of wax, asphalt, resin, and turpentine.

***1787. Decker,** T. A. 53359. 1889.

Aus., 1890, p. 744.

Printers' colored ink. To a printers' ink of colophony, molasses, tar, litharge, and indigo are added copaiba balsam, silver nitrate, and aqua regia.

***1788. Higgins,** C. M. 57848. 1890.

Aus., 1891, p. 612; Wag. Jahr., 1891, Jahrg. 37, p. 1173; Lange, v. 3, p. 215.

Printers' copying and stamping ink. Coal tar products with oil of cloves or of cinnamon.

**1789. Krawutschke,** C. 62046. 1891.

Aus., 1892, p. 384; Wag. Jahr., 1892, Jahrg. 38, p. 950.

Stamping ink for meat. Alcoholic extract of logwood and alkanna root, salicylic acid, tannic acid, and glycerin.

***1790. Richard,** T. 62937. 1890.

Aus., 1892, p. 572; Ber., 1892, Jahrg. 25, Referate, p. 711.

Printers' transfer ink for oil colors.

***1791. Castaneda,** J. 66214. 1892.

Aus., 1893, p. 146; Ber., 1893, Jahrg. 26, Referate, p. 256.

Recovery of printers' ink.

**1791a. Genzsch,** A., and K. Klimosch. 69054. 1891.

Aus., 1893, p. 673; Lange, v. 3, p. 227; Wag. Jahr., 1893, Jahrg. 39, p. 1057.

Red ink marking pencil. Alizarin and congo-red (benzopurpurin), Glauber's salts, soap, pyrolusite, water glass, turkey-red oil, gallic acid, and gypsum.

***1792. Horst,** L. 71012. 1892.

Aus., 1893, p. 1101; Wag. Jahr., 1893, Jahrg. 39, p. 1059; Tech. chem. J., 1893–94, Jahrg. 16, p. 540.

De-inking process.

***1793. Higgins,** C. M. 71912. 1892.

Aus., 1893, p. 1198; Wag. Jahr., 1893, Jahrg. 39, p. 1094; Tech. chem. J., 1893–94, Jahrg. 16, p. 332; Lange, v. 3, p. 215.

Printing and stamping ink. Carbolic acid, castor or cassia oil, anilin color.

***1794. Lohmann,** P. 75447. 1893.

Aus., 1894, p. 576; Wag. Jahr., 1894, Jahrg. 40, p. 1059; Tech. chem. J., 1894–95, Jahrg. 17, p. 570; Ber., 1894, Jahrg. 27, Referate, p. 835.

De-inking process.

***1795. Horst,** L. 76017. 1893.

Aus., 1894, p. 670; Wag. Jahr., 1894, Jahrg. 40, p. 1059; Zeit. ang. C., 1894, p. 662.

De-inking process.

**1796. Arndt,** E. M. 83547. 1894.

Aus., 1895, p. 813; Wag. Jahr., 1895, Jahrg. 41, p. 1082; Ber., 1895, Jahrg. 28, Referate, p. 1037; Tech. chem. J., 1895–96, Jahrg. 18, p. 411; Lange, v. 3, p. 212.

Stamping ink. Tanning extracts in alcohol, glycerin, color, and water.

***1797. Hiebsch,** B. 87730. 1895.

Aus., 1896, p. 551; Wag. Jahr., 1896, Jahrg. 42, p. 1064; Ber., 1896, Jahrg. 29, Referate, p. 721; Lange, v. 3, p. 204.

Varnish for printers' ink. Ammonia and water added to printers' inks made from petroleum, linseed oil, and glycerin.

***1798. Moutardier,** E., and G. Picard. 88563. 1895.

Aus., 1896, p. 723; Wag. Jahr., 1896, Jahrg. 42, p. 1027.

De-inking process.

**1799. Greville-Williams,** R. 91357. 1895.

Aus., 1897, p. 242.

Telegraphic ink.

***1800. Hinzelmann,** M. 96403. 1897.

Aus., 1898, p. 274; Wag. Jahr., 1898, Jahrg. 44, p. 1159; Zeit. ang. C., 1898, p. 454; Tech. chem. J., 1897–98, Jahrg. 20, p. 296; Lange, v. 3, p. 204.

Varnish for bronze printing inks.

*Patents — Germany, continued.*

***1801. Maitre,** E. 99228. 1897.

Aus., 1898, p. 711; Wag. Jahr., 1898, Jahrg. 44, p. 1128; Tech. chem. J., 1898–99, Jahrg. 21, p. 392; Mon. sc. B., 1899, série 4, v. 13, p. 52.

Gold, bronze, and silver printing inks. Naples gold, sienna earth, coconut oil, nut oil, garlic.

**1802. Moeller,** J. 99288. 1897.

Aus., 1898, p. 816; Wag. Jahr., 1898, Jahrg. 44, p. 1122; Tech. chem. J., 1898–99, Jahrg. 21, p. 395; Cent., 1899, Jahrg. 70, Teil 1, p. 397; Lange, v. 3, p. 223.

Sympathetic ink. Alum, water, garlic, sulphuric acid.

***1802a. Dordtsche Petroleum Maatschappij.** 101068. 1897.

Aus., 1899, p. 97; Lange, v. 3, p. 205.

Printing ink binder using Grisee oil.

***1803. Adelsberger,** J. 102747. 1897.

Aus., 1899, p. 321; Cent., 1899, Jahrg. 70, Teil 1, p. 1264.

Lithographic ink. Acidified glycerin with addition of color.

***1804. Burger,** H. J. 103043. 1898.

Aus., 1899, p. 448; Cent., 1899, Jahrg. 70, Teil 2, p. 501.

Lithographic ink. Addition of shellac and asphalt solution to ordinary lithographic ink.

**1805. Firma August Leonhardi.** 105107. 1897.

Aus., 1899, p. 865; Tech. chem. J., 1899, Jahrg. 22, p. 453; Cent., 1900, Jahrg. 71, Teil 1, p. 159.

Stamping ink for meat.

**1806. Kornacher,** F., and M. Brumm. 105735. 1897.

Aus., 1899, p. 920; Wag. Jahr., 1899, Jahrg. 45, p. 1062; Cent., 1900, Jahrg. 71, Teil 1, p. 382; Tech. chem. J., 1899, Jahrg. 22, p. 399.

Vanadium ink for special paper.

**1807. Rottach,** J., and J. Hansel. 107045. 1897.

Aus., 1900, p. 131; Cent., 1900, Jahrg. 71, Teil 1, p. 888.

Preparation for printing on hard gelatin surfaces.

**1808. Kretschmann,** E. 109201. 1899.

Aus., 1900, p. 492; Wag. Jahr., 1900, Jahrg. 46, Teil 2, p. 531; Tech. chem. J., 1899, Jahrg. 22, p. 399; Cent., 1900, Jahrg. 71, Teil 1, p. 1256; Lange, v. 3, p. 224.

Sympathetic ink and paper, using cobalt salt and chloride of sodium.

***1809. Kinloch,** R. H. 109825. 1897.

Aus., 1900, p. 580; Wag. Jahr., 1900, Jahrg. 46, Teil 2, p. 557; Tech. chem. J., 1900, Jahrg. 23, p. 309; Cent., 1900, Jahrg. 71, Teil 2, p. 295; Zeit. ang. C., 1900, p. 277; Lange, v. 3, p. 205.

Printers' black and colored ink that will not "run." Ordinary inks mixed with glycerin, copaiba balsam, sandalwood oil, petroleum, pine balsam, alcohol, pyrolusite, turpentine, chloroform, ether, and concentrated ammonia.

**1810. Kretschmann,** E. 111658. 1899.

Aus., 1900, p. 904; Wag. Jahr., 1900, Jahrg. 46, Teil 2, p. 532; Lange, v. 3, p. 224.

Sympathetic ink and paper. Paratoluidin, resorcin, sulphuric acid.

***1811. Giesecke,** K. 115158. 1899.

Aus., 1900, p. 1564.

Autographic ink. Ordinary printers' ink, varnish, turpentine, lavender oil, and india ink.

**1812. Kretschmann,** E. 115445. 1900.

Aus., 1900, p. 1566; Wag. Jahr., 1900, Jahrg. 46, Teil 2, p. 531; Cent., 1900, Jahrg. 71, Teil 2, p. 1191; Tech. chem. J., 1900, Jahrg. 23, p. 554; Lange, v. 3, p. 224.

Sympathetic paper based on cobalt salt. Writes with solution of salt and vinegar.

***1813. Oefer,** E. 118206. 1899.

Aus., 1901, p. 415.

Powdered colors for printers' inks. Color, glycerin, mica, and albumin.

**1814. Copir-Telegraph G.m.b.H.** 119430. 1900.

Aus., 1901, p. 639.

Telegraph ink pencil. Paraffin, wax, or pitch.

***1815. Knopf,** B. 127820. 1900.

Aus., 1902, p. 315; Wag. Jahr., 1902, Jahrg. 48, Teil 2, p. 566; Tech. chem. J., 1901, Jahrg. 24, p. 587; Chem. Ztg., 1902, Jahrg. 26, Teil 1, p. 98.

De-inking process.

***1816. Wechsler,** S. 128180. 1900.

Aus., 1902, p. 474; Chem. Ztg., 1902, Jahrg. 26, Teil 1, p. 188.

Lithographic and metal plate ink allowing continuous printing. Glycerin, carbonate of soda, tartar, turpentine, varnish.

***1817. Hofer & Co.** 132894. 1900.

Aus., 1902, p. 1214; Wag. Jahr., 1902, Jahrg. 48, Teil 2, p. 594; Chem. Ztg., 1902, Jahrg. 26, Teil 2, p. 658; Tech. chem. J., 1902, Jahrg. 25, p. 539.

Printers' ink for celluloid. Lithographic ink, ether, camphor, paraffin, and manganese varnish.

***1818. Brandel,** F. de, and A. de Baudry d'Asson. 134201. 1901.

Aus., 1902, p. 1461; Chem. Ztg., 1902, Jahrg. 26, Teil 2, p. 852; Tech. chem. J., 1901, Jahrg. 24, p. 468; Jahr. Chem., 1902, Teil 1, p. 750.

Printers' ink. Mineral oil, coal tar color, and alcohol.

**1818a. Siebicke,** O., and H. Müller. 145683. 1902.

Aus., 1903, p. 1646; Lange, v. 3, p. 214.

Stamping ink for embroidery. Rapeseed oil, kaolin, starch, sodium thiosulphate.

*Patents — Germany, continued.*

**819. Peters,** R. 158151. 1904.
Aus., 1905, p. 358; J.S.C.I., 1905, v. 24, p. 742; Tech. chem. J., 1904, Jahrg. 27, p. 443; Cent., 1905, Jahrg. 76, Teil 1, p. 488; Chem. Ztg., 1905, Jahrg. 29, Teil 1, p. 126; Zeit. ang. C., 1905, Jahrg. 18, Teil 1, p. 671.
Black pigment from waste carbon electrodes.

**1820. Kunze,** A. 159781. 1903.
Aus., 1905, p. 727; Tech. chem. J., 1904, Jahrg. 27, p. 604; Zeit. ang. C., 1905, Jahrg. 18, p. 960; Lange, v. 3, p. 214.
Process for dry stamping of leather, cloth, etc. Color, wax, paraffin.

**821. Charles,** P., and S. Faujat. 160278. 1904.
Aus., 1905, p. 819.
Ox-gall preparation for gelatin copying mass.

**821a. Schnauber,** A. 163510. 1904.
Aus., 1906, p. 29; Lange, v. 3, p. 214; Wag. Jahr., 1905, Jahrg. 51, Teil 2, p. 435.
Stamping ink for embroidery.

**822. Beauvoir de Lisle,** de, and E. V. Luttrell. 167773. 1904.
Aus., 1906, p. 605; Zeit. ang. C., 1906, Jahrg. 19, p. 1334; Lange, v. 3, p. 213.
Branding fluid. Tar and tartar emetic.

**1823. Duncan,** G. S. 168509. 1905.
Aus., 1906, p. 825.
Composition to prevent "set-off."

**1824. Charlottenburger Farbwerke A. G.** 169947. 1904.
Aus., 1906, p. 1054; Wag. Jahr., 1906, Jahrg. 52, Teil 2, p. 511; Zeit. ang. C., 1907, Jahrg. 20, p. 119; Cent., 1906, Jahrg. 77, Teil 2, p. 575; Lange, v. 3, p. 205.
Lithographic ink. Varnish, glycerin, and ammonia.

**1824a. Charlottenburger Farbwerke A. G.** 170983. 1904.
Aus., 1906, p. 1221; Lange, v. 3, p. 205; Wag. Jahr., 1906, Jahrg. 52, Teil 2, p. 511.
Printers' ink for flat printing. Addition of glycerin and varnish to ordinary ink.

***1824b. Badische Anilin und Soda Fabrik.** 172465. 1903.
Aus., 1906, p. 1708; Lange, v. 3, p. 204; Wag. Jahr., 1906, Jahrg. 52, Teil 2, p. 218.
Printers' ink. Water- and oil-soluble salts of color bases.

**1825. Faujat,** S., and P. Charles. 174386–87. 1905.
Aus., 1906, p. 2236.
Preparation of inks for gelatin copying mass.

***1826. Klusek,** E. 185749. 1906.
Aus., 1907, p. 1881; Wag. Jahr., 1907, Jahrg. 53, Teil 2, p. 546; Rep., 1907, Jahrg. 31, p. 335; Lange, v. 3, p. 205.
Reducer for lithographic ink. Spermaceti, venetian soap, stearin, wax, fat, linseed oil, bronze ink varnish.

***1826a. Claessen,** C. 198711. 1907.
Aus., 1908, p. 1770.
Plastic masses using polyglycerins.

***1826b. Claessen,** C. 198768. 1907.
Aus., 1908, p. 1725.
Manufacture of polyglycerins.

**1827. Livingston,** J. 205072. 1907.
Aus., 1909, p. 208.
Preparation of inks for gelatin mass.

**1828. Garzino,** L. 213279. 1908.
Aus., 1909, p. 2117; Rep., 1909, Jahrg. 33, p. 527; Lange, v. 3, p. 224.
Sympathetic ink. Ferrocyanid of potassium, iron alum, powdered graphite, and magnesium carbonate.

***1829. Henkel & Co.** 215312. 1908.
Aus., 1909, p. 2585; Rep., 1909, Jahrg. 33, p. 670; Zeit. ang. C., 1909, Jahrg. 22, p. 2438; J.S.C.I., 1910, v. 29, p. 18, 690; 1911, v. 30, p. 533.
De-inking process.

***1830. Amand,** A. A. J. L. 217080. 1908.
Aus., 1910, p. 181.
Lithographic ink and crayon, also cleaning compound. Ink from olein, resin, and lampblack.

**1831. Ostwald,** W. 218531. 1908.
Aus., 1910, p. 515; J.S.C.I., 1910, v. 29, p. 501; Wag. Jahr., 1910, Jahrg. 56, Teil 2, p. 531; Cent., 1910, Jahrg. 81, Teil 1, p. 783; Rep., 1910, Jahrg. 34, p. 120; Zeit. ang. C., 1910, Jahrg. 23, p. 624; Lange, v. 3, p. 224.
Inks for wax paper, ivory, parchment, etc. Adds to writing and drawing inks the volatile organic compounds of the aliphatic series.

***1832. Schukart,** G. 218627. 1909.
Aus., 1910, p. 508; Lange, v. 3, p. 206.
To prevent "set-off" of lithographic inks. Wax, vaselin, detergent, carbolic acid, creosol soap solution, ether, carbolineum, and petroleum.

***1833. Herz,** L. 220424. 1909.
Aus., 1910, p. 879; J.S.C.I., 1910, v. 29, p. 751; Wag. Jahr., 1910, Jahrg. 56, Teil 2, p. 532; C. A., 1910, v. 4, p. 2203; Cent., 1910, Jahrg. 81, Teil 1, p. 1339; Zeit. ang. C., 1910, Jahrg. 23, p. 959; Rep., 1910, Jahrg. 34, p. 209.
De-inking process.

**1834. Fern-Schnell-Schreiber G.m.b.H.** 222466. 1909.
Aus., 1910, p. 1307.
Telegraphic ink.

**1835. Carbonnelle,** H. 223889. 1909.
Aus., 1910, p. 1571.
Non-conducting telegraphic ink.

**1836. Firma Eduard Beyer.** 224637. 1909.
Aus., 1910, p. 1730; J.S.C.I., 1910, v. 29, p. 1120; C. A., 1911, v. 5, p. 2570; Rep., 1910, Jahrg. 34, p. 416; Jahr. Chem., 1910, Teil 2, p. 1263; Zeit. ang. C., 1910, Jahrg. 23, p. 2064; Lange, v. 3, p. 215.
Iron-gall colors for inking ribbons, stamp pads, drawing inks, etc. Aldehydes, ammoniumoxyferrigallate, oil, glycerin (or aqueous shellac solution).

*Patents — Germany, continued.*

***1837. A. G. für Anilin-Fabrikation.** 225275. 1908.

Aus., 1910, p. 1986; C. A., 1911, v. 5, p. 1195; J.S.C.I., 1910, v. 30, p. 82; Cent., 1910, Jahrg. 81, Teil 2, p. 1107; Rep., 1910, Jahrg. 34, p. 519; Lange, v. 3, p. 207.

Printers' ink which can be bleached. Sulphur black, or blue-black, or substantive black cotton dyes, rubbed up with varnish.

**1838. Hochstetter,** R. 226003. 1909.

Aus., 1910, p. 1986; Rep., 1910, Jahrg. 34, p. 519; Zeit. ang. C., 1910, Jahrg. 23, p. 2299; Lange, v. 3, p. 215.

Mimeograph ink. Pigment, glycerin, and turkey red oil.

***1839. Schmidt, Kasseker & Co.** 229192. 1908.

Aus., 1911, p. 113; Wag. Jahr., 1911, Jahrg. 57, Teil 2, p. 532; C. A., 1912, v. 6, p. 144; Rep., 1911, Jahrg. 35, p. 14; Zeit. ang. C., 1911, Jahrg. 24, p. 134.

Ceramic printing ink. Lead salt with linseed oil.

**1840. Firma Eduard Beyer.** 229467. 1910.

Aus., 1911, p. 159; Wag. Jahr., 1911, Jahrg. 57, Teil 2, p. 532; C. A., 1911, v. 5, p. 2570; J.S.C.I., 1911, v. 30, p. 204; Cent., 1911, Jahrg. 82, Teil 1, p. 279; Rep., 1911, Jahrg. 35, p. 28; Zeit. ang. C., 1911, Jahrg. 24, p. 144.

Iron-gall colors for inking ribbons, stamp pads, etc. Amendment to D.R.P. no. 224637, 1909.

***1841. Petsche,** B. W. 233665. 1910.

Aus., 1911, p. 1061; C. A., 1912, v. 6, p. 1851; Rep., 1911, Jahrg. 35, p. 250; Zeit. ang. C., 1911, Jahrg. 24, p. 911.

De-inking process.

***1841a. Wechsler,** S. 236338. 1909.

C. A., 1911, v. 5, p. 3632; Cent., 1911, Jahrg. 82, Teil 2, p. 313.

Colors for printing rolls etched in relief. Dry powdered color, varnish, glycerol, alkali salt, resin oil.

***1842. Badische Anilin & Soda Fabrik.** 252052. 1911.

Aus., 1912, p. 2169; J.S.C.I., 1912, v. 31, p. 1191; Wag. Jahr., 1912, Jahrg. 58, Teil 2, p. 561; C. A., 1913, v. 7, p. 427; Cent., 1912, Jahrg. 83, Teil 2, p. 1592; Rep., 1912, Jahrg. 36, p. 587; Zeit. ang. C., 1912, Jahrg. 25, p. 2511; Lange, v. 3, p. 205.

Addition of resin to fatty ink prevents penetration into the paper.

***1843. Wolf,** K. 252998. 1911.

Aus., 1912, p. 2346; Lange, v. 3, p. 205.

Lithographic ink. Coal-tar color, wax, turpentine, asphalt, and varnish.

***1844. Kurtz-Haehnle,** C. 254554. 1910.

Aus., 1913, p. 97; C. A., 1913, v. 7, p. 1288; Wag. Jahr., 1912, Jahrg. 58, Teil 2, p. 555; Cent., 1913, Jahrg. 84, Teil 1, p. 363; Rep., 1913, Jahrg. 37, p. 12; Zeit. ang. C., 1913, Jahrg. 26, p. 175.

De-inking process.

**1844a. Sauter,** W. T. 255448. 1912.

Aus., 1913, p. 212; Lange, v. 3, p. 231; Wag. Jahr., 1913, Jahrg. 59, Teil 2, p. 503; Cent., 1913, Jahrg. 84, Teil 1, p. 481.

Process for restoration of faded writings.

***1844b. Stuerler,** A. L. de. 263220. 1912.

Aus., 1913, p. 1826; J.S.C.I., 1913, v. 32, p. 907; C. A., 1913, v. 7, p. 4069.

De-inking process.

***1845. Chwala,** A. 264017. 1912.

Aus., 1913, p. 1920; Cent., 1913, Jahrg. 84, Teil 2, p. 1183; Rep., 1913, Jahrg. 37, p. 530.

Printers' ink detergent. Carbontetrachloride, trichlorethylene, and soap solution.

***1846. Schuetze,** L., and R. Fischer. 265902. 1912.

Aus., 1913, p. 2314; J.S.C.I., 1913, v. 32, p. 1007; Wag. Jahr., 1913, Jahrg. 59, Teil 2, p. 581; C. A., 1914, v. 8, p. 579; Cent., 1913, Jahrg. 84, Teil 2, p. 1635; Zeit. ang. C., 1913, Jahrg. 26, Teil 2, p. 750; Lange, v. 3, p. 205.

Printers' ink. Albumin, alkali, sulphonated oil or salt thereof, color.

**1847. Athenaeum Verlags und Druckerei A. G.** 268533. 1911.

Aus., 1914, p. 126; C. A., 1914, v. 8, p. 2060; Rep., 1914, Jahrg. 38, p. 66.

Carbon paper prepared with heavy hydrocarbons, especially petroleum.

***1848. Hantke,** F. 269755. 1913.

Aus., 1914, p. 388; Rep., 1914, Jahrg. 38, p. 94.

Preparation for toning up lithographic plate.

**1849. Firma G. H. Cohn.** 270073. 1913.

Aus., 1914, p. 447; C. A., 1914, v. 8, p. 2260; Wag. Jahr., 1914, Jahrg. 60, Teil 1, p. 609.

Grinding rolls for pigments.

***1850. Wolff,** M. 270336. 1913.

Aus., 1914, p. 502; Wag. Jahr., 1914, Jahrg. 60, Teil 2, p. 462; Rep., 1914, Jahrg. 38, p. 123; Zeit. ang. C., 1914, Jahrg. 27, Teil 2, p. 192; Lange, v. 3, p. 207.

Printers' black from peat.

***1851. Heinze,** C. 274965. 1913.

Aus., 1914, p. 1408.

Printers' ink detergent. Olein, glycerin, turpentine, benzin, petroleum.

**1852. Charles,** P. 276477. 1913.

Aus., 1914, p. 1684; C. A., 1915, v. 9, p. 850; J.S.C.I., 1914, v. 33, p. 1021; Cent., 1914, Jahrg. 85, Teil 2, p. 446; Rep., 1914, Jahrg. 38, p. 492.

Ink for gelatin copying surface.

**1853. Charles,** P. 276622. 1913.

Aus., 1914, p. 1739; C. A., 1915, v. 9, p. 850; J.S.C.I., 1914, v. 33, p. 1021; Cent., 1914, Jahrg. 85, Teil 2, p. 446; Rep., 1914, Jahrg. 38, p. 492.

Ink for gelatin copying surface. Addition to D.R.P. no. 276477.

*Patents — Germany, continued.*

***1854. Lauthe,** O., and E. Lauthe. 278007. 1912.

Aus., 1914, p. 2037; C. A., 1915, v. 9, p. 1127; Rep., 1914, Jahrg. 38, p. 531.

Printers' etching ink.

**1854a. Padberg,** A. 280841. 1914.

Aus., 1915, p. 13; Rep., 1915, Jahrg. 39, p. 4.

Ink bodies in compressed or paste form.

***1855. Homburg,** R. 282953. 1913.

Aus., 1915, p. 470; C. A., 1915, v. 9, p. 2439; Rep., 1915, Jahrg. 39, p. 128.

Printers' transfer ink.

***1856. Gruene,** C. 288879. 1914.

Aus., 1915, p. 1785; J.S.C.I., 1916, v. 35, p. 429; Wag. Jahr., 1916, Jahrg. 62, Teil 2, p. 285; C. A., 1916, v. 10, p. 2583; Zeit. ang. C., 1916, Jahrg. 29, Teil 2, p. 63; Lange, v. 3, p. 206.

Dark printing inks. Kieselguhr and carbon, heated in absence of air, ground with a binding agent, and mixed with dye.

***1857. Kurtz-Haehnle,** C. 288900. 1913.

Aus., 1915, p. 1790; Wag. Jahr., 1916, Jahrg. 62, Teil 2, p. 238; C. A., 1916, v. 10, p. 2638; Cent., 1916, Jahrg. 87, Teil 1, p. 124; Rep., 1915, Jahrg. 39, p. 498; Zeit. ang. C., 1916, Jahrg. 29, Teil 2, p. 49.

De-inking process. Addition to D.R.P. no. 254554.

**1858. Firma Guenther Wagner.** 289140. 1915.

Aus., 1915, p. 1832; Wag. Jahr., 1916, Jahrg. 62, Teil 2, p. 285; C. A., 1916, v. 10, p. 2510; Cent., 1916, Jahrg. 87, Teil 1, p. 199; Zeit. ang. C., 1916, Jahrg. 29, Teil 2, p. 63.

White writing ink. Solution of zinc hydroxide or magnesium hydroxide in ammonia (or ammonia salt solution) or lye.

***1859. Friedrich,** V. 295489. 1915.

J.S.C.I., 1917, v. 36, p. 296; Wag. Jahr., 1917, Jahrg. 63, Teil 2, p. 262; Cent., 1917, Jahrg. 88, Teil 1, p. 151; Rep., 1917, Jahrg. 41, p. 28; Zeit. ang. C., 1917, Jahrg. 30, Teil 2, p. 24; Kunst., 1917, Jahrg. 7, p. 25; Lange, v. 3, p. 206.

Printers' ink. Dilution of printers' ink with water mixed with wool fat, and the addition of coloring matter.

***1860. Zaeslé,** M., and P. Zaeslé. 295670. 1915.

Wag. Jahr., 1917, Jahrg. 63, Teil 2, p. 203–204; J.S.C.I., 1917, v. 36, p. 640; Kunst., 1917, Jahrg. 7, p. 36; Rep., 1917, Jahrg. 41, p. 28; Zeit. ang. C., 1917, Jahrg. 30, Teil 2, p. 36.

Thickener for printers' ink using arrow-root or manioc in such a way that the cellulose is completely separated.

***1860a. Kronstein,** A. 302544. 1916.

Aus., 1919, p. 1129; Lange, v. 3, p. 206; J.S.C.I., 1920, v. 39, p. 122a; Wag. Jahr., 1919, Jahrg. 65, Teil 2, p. 344.

Printers' ink varnish. Base from fish-oil distillation.

***1861. Goldschmidt,** T. 309911. 1917.

Aus., 1919, p. 46; J.S.C.I., 1919, v. 38, p. 379a; C. A., 1919, v. 13, p. 1772; Chim. et ind., 1920, v. 3, p. 351; Cent., 1919, Jahrg. 90, Teil 2, p. 264; Rep., 1919, Jahrg. 43, p. 36; Lange, v. 3, p. 213.

Printing and stamping inks, using glycol.

**1861a. Maison,** H., and R. Maison. 313682. 1918.

Aus., 1919, p. 756; Lange, v. 3, p. 226; Wag. Jahr., 1919, Jahrg. 65, Teil 2, p. 257.

Ink tablets. To usual ingredients adds magnesium sulphate or sodium sulphate before pressing.

**1862. Rosenberg,** H. 323138. 1917.

Aus., 1920, p. 1765; Wag. Jahr., 1920, Jahrg. 66, Teil 2, p. 393–394; J.S.C.I., 1920, v. 39, p. 757a; Kunst., 1920, Jahrg. 10, p. 204; Chem. tech. Übers., 1921, Jahrg. 45, p. 104; Chim. et ind., 1922, v. 7, p. 543; Lange, v. 3, p. 226.

Ink tablets containing substances which generate gases on the addition of water, thus disintegrating the mass.

**1863. Gethe,** H. 331622. 1920.

Aus., 1921, p. 262; Wag. Jahr., 1921, Jahrg. 67, Teil 2, p. 361; Chem. tech. Übers., 1921, Jahrg. 45, p. 216.

Indelible ink. Addition of potassium ferrocyanide to ordinary writing ink.

***1864. Fiedler,** K. 339106. 1916.

Aus., 1921, p. 1823; Wag. Jahr., 1921, Jahrg. 67, Teil 2, p. 362; Lange, v. 3, p. 205.

Printers' ink using mineral oil products described in D.R.P. no. 287309 and D.R.P. no. 216459.

***1865. Albert,** E. 340624. 1916.

Aus., 1923, p. 115; Chim. et ind., 1922, v. 8, p. 467; Chem. tech. Übers., 1921, Jahrg. 45, p. 284; Cent., 1923, Jahrg. 94, Teil 1, Tech. Teil, p. 1253.

Manufacture of colors for printers' inks, using emulsions described in D.R.P. no. 326468.

***1866. Chemische Fabriken Plagwitz-Zerbst,** and J. von Bosse. 345141. 1920.

Aus., 1922, p. 20; Wag. Jahr., 1921, Jahrg. 67, Teil 2, p. 361; J.S.C.I., 1922, v. 41, p. 510a; Lange, v. 3, p. 213.

Binders for inks, printing inks, and ink rollers, using glycerin pitch, aluminium sulphate, and sulphuric acid.

***1867. Fitzgerald,** F. C. 346824. 1921.

Aus., 1922, p. 408; Wag. Jahr., 1922, Jahrg. 68, Teil 2, p. 492.

Lithographic ink. To ordinary printers' or lithographic ink adds glycerin, calcium chloride, potassium phosphate, carbolic acid, and thickener.

*Patents — Germany, continued.*

**1868. Schiffmann,** J. 347826. 1920.

Aus., 1922, p. 584; Wag. Jahr., 1922, Jahrg. 68, Teil 2, p. 496; Chem. tech. Übers., 1922, Jahrg. 46, p. 156; Lange, v. 3, p. 213.

Stamping ink. Anilin black, alcohol, iron-tannic salts, acetin, lampblack.

***1868a. Chemische Fabriken Worms, A. G.** 347902. 1917.

Aus., 1922, p. 670; Lange, v. 3, p. 205.

Double-tone printing inks using mineral oil acids. See also addition (no. 354081, 1917, Aus., 1922, p. 2139).

***1869. Ruetgerswerke** A. G., and H. Teichmann. 348685. 1920.

Aus., 1922, p. 1811; Wag. Jahr., 1922, Jahrg. 68, Teil 2, p. 496.

Printers' black ink pigment described in D. R. P. no. 320056, made from tar oil derived from wood, peat, straw, cotton, or other fibrous material.

***1870. Actien-Gesellschaft für Anilin-Fabrikation.** 349924. 1920.

Wag. Jahr., 1922, Jahrg. 68, Teil 2, p. 496; J.S.C.I., 1923, v. 42, p. 667a; Chem. tech. Übers., 1922, Jahrg. 46, p. 211; Cent., 1923, Jahrg. 94, Teil 1, p. 1031; Lange, v. 3, p. 206.

Printing and stamping ink using cyclohexanol and its homologues, with nigrosin, lampblack, and glycerin.

***1871. Eyrich,** H. R., and J. A. Schreiber. 353024. 1921.

Aus., 1922, p. 2001; Wag. Jahr., 1922, Jahrg. 68, Teil 2, p. 407; Chem. tech. Übers., 1922, Jahrg. 46, p. 266.

De-inking process.

**1872. Plauson's Forschungsinstitut G.m.b.H.** 355117. 1921.

Wag. Jahr., 1922, Jahrg. 68, Teil 2, p. 492; J.S.C.I., 1922, v. 41, p. 826a.

Colloidal ink and india ink. Insoluble colored mineral substances are ground with soluble organic dyestuffs and a protective colloid in a Plauson colloidal mill.

**1873. Molar,** C. 356120. 1919.

Aus., 1922, p. 2662; Wag. Jahr., 1922, Jahrg. 68, Teil 2, p. 493; Chem. tech. Übers., 1922, Jahrg. 46, p. 318; Lange, v. 3, p. 226.

Concentrated liquid ink. Concentrated color, gum arabic, phenol or salicylic acid, water, ferro-sulphate, tannic acid, hydrochloric or acetic acid.

***1874. Smidt,** K. J., and R. Jaeger. 360336. 1921.

Aus., 1922, p. 3611; Wag. Jahr., 1922, Jahrg. 68, Teil 2, p. 497; Cent., 1923, Jahrg. 94, Teil 1, Tech. Teil, p. 751; Chem. tech. Übers., 1924, Jahrg. 48, p. 168.

Black and colored printers' inks from sulphite waste liquor.

**1875. Schmitz,** W. 364077. 1921.

Aus., 1923, p. 123; Wag. Jahr., 1922, Jahrg. 68, Teil 2, p. 493; Cent., 1923, Jahrg. 94, Teil 1, Tech. Teil, p. 1154; Chem. tech. Übers., 1924, Jahrg. 48, p. 168.

Ink tablets. Anilin green, milk sugar, cane sugar.

***1876. Ruetgerswerke** A. G. 364830. 1920.

Aus., 1923, p. 288; J.S.C.I., 1923, v. 42, p. 614a; Wag. Jahr., 1922, Jahrg. 68, Teil 2, p. 497; Cent., 1923, Jahrg. 94, Teil 1, Tech. Teil, p. 751; Chem. tech. Übers., 1924, Jahrg. 48, p. 168; 1925, Jahrg. 49, p. 72.

Black printing colors. Resins from tars or tar oils treated with oxygen; or by sulphurizing; or by simple heating; or by combination of these processes.

***1877. Wiegandt,** C. 367363. 1920.

Aus., 1923, p. 2216; Cent., 1923, Jahrg. 94, Teil 2, Tech. Teil, p. 588; Wag. Jahr., 1923, Jahrg. 69, Teil 2, p. 430; Chem. tech. Übers., 1924, Jahrg. 48, p. 168.

Writing and printing ink for metal surfaces. Oil or lake color with addition of hydrochloric acid.

***1878. Ruetgerswerke** A. G. 367495. 1920.

Aus., 1923, p. 817; J.S.C.I., 1923, v. 42, p. 731a; Cent., 1923, Jahrg. 94, Teil 1, Tech. Teil, p. 1091; Wag. Jahr., 1923, Jahrg. 69, Teil 2, p. 446; Chem. tech. Übers., 1924, Jahrg. 48, p. 88.

Black printing colors obtained by adding catalysts to the products described in D. R. P. no. 364830.

***1879. Farbwerke vorm. Meister Lucius & Brüning.** 375883. 1921.

Aus., 1923, p. 1985; J.S.C.I., 1923, v. 42, p. 988a; Wag. Jahr., 1923, Jahrg. 69, Teil 2, p. 446; Cent., 1923, Jahrg. 94, Teil 2, Tech. Teil, p. 331; Chem. tech. Übers., 1924, Jahrg. 48, p. 100.

Printing and lithographic inks, replacing oleic acid by ethylenethiodiglycol.

***1880. Plauson's Forschungsinstitut.** 378384. 1922.

Aus., 1923, p. 2309; Chem. tech. Übers., 1925, Jahrg. 49, p. 56; Cent., 1923, Jahrg. 94, Teil 2, Tech. Teil, p. 367; Wag. Jahr., 1923, Jahrg. 69, Teil 2, p. 440.

Printers' inks. Finely divided color in oil, with organic solvent, as alcohol, ketons, esters, or ether.

**1881. Wegener,** J. 382502. 1921.

Aus., 1923, p. 2763; Cent., 1923, Jahrg. 94, Teil 2, Tech. Teil, p. 1032; Wag. Jahr., 1923, Jahrg. 69, Teil 2, p. 448; Chem. tech. Übers., 1925, Jahrg. 49, p. 56.

Ink tablets. Ordinary colors mixed with tannic acid and iron salts with addition of milk sugar.

***1882. Immerwahr,** P. 382503. 1922.

Aus., 1923, p. 2763; Cent., 1923, Jahrg. 94, Teil 2, Tech. Teil, p. 1017; Wag. Jahr., 1923, Jahrg. 69, Teil 2, p. 361.

De-inking process.

***1883. Ruetgerswerke** A. G. 382504. 1921.

Wag. Jahr., 1923, Jahrg. 69, Teil 2, p. 447; Chem. tech. Übers., 1925, Jahrg. 49, p. 260.

Black printing colors. Addition to D. R. P. no. 364830.

***1884. Uhde,** F. 382506. 1922.

Aus., 1923, p. 2763; Cent., 1923, Jahrg. 94, Teil 2, Tech. Teil, p. 988; Chem. tech. Übers., 1924, Jahrg. 48, p. 908.

Black printing pigments. Process for direct absorption of lampblack by oils and binding materials.

*Patents — Germany, continued.*

***1885. Ruetgerswerke** A. G. 383922. 1922.
Aus., 1923, p. 2879; Cent., 1924, Jahrg. 95, Teil 1, p. 251; Wag. Jahr., 1923, Jahrg. 69, Teil 2, p. 447.
Black printing colors. Addition to D. R. P. no. 364830.

**1886. Voigt,** M. 388728. 1922.
Aus., 1924, p. 397; Cent., 1924, Jahrg. 95, Teil 1, p. 1308.
Ink remover using fluoride of ammonia.

***1887. Farbwerke vorm. Meister, Lucius & Brüning.** 388878. 1921.
Cent., 1924, Jahrg. 95, Teil 1, p. 1111; Chem. tech. Übers., 1925, Jahrg. 49, p. 72.
Double-tone inks using glycerin. Addition to D.R.P. no. 375883.

**1888. Meier,** G. 389165. 1922.
Aus., 1924, p. 457; Cent., 1924, Jahrg. 95, Teil 1, p. 2905.
Transfer ink, using ordinary printers' or lithographic ink, with alum, wood extracts, and vinegar.

**1889. Chemische Fabrik Pharma.** 389833. 1921.
Aus., 1924, p. 511; Cent., 1924, Jahrg. 95, Teil 1, p. 1732; Chem. tech. Übers., 1925, Jahrg. 49, p. 7.
Typewriter ink. Ammonia and zinc salts.

***1890. Cajar,** H. 390812. 1923.
Aus., 1924, p. 638; Cent., 1924, Jahrg. 95, Teil 1, p. 1872; Chem. tech. Übers., 1925, Jahrg. 49, p. 76.
Printers' colored inks. Pigments emulsified with varnish; and water removed by vacuum apparatus.

***1891. Kuehl,** J. F. T. 391001. 1920.
Aus., 1924, p. 639; Cent., 1924, Jahrg. 95, Teil 1, p. 1872; Chem. tech. Übers., 1925, Jahrg. 49, p. 72.
Printers' ink capable of being washed from paper. Oil-free color in unrefined glycerin, molasses, waste sulphite liquor, or glue solution.

***1891a. Gestetener, D., Ltd.** 393271. 1921.
Aus., 1924, p. 910; Chem. tech. Übers., 1925, Jahrg. 49, p. 72.
Printers' ink based on fat-and-water emulsion.

***1892. Huber,** M., and J. Huber. 394600. 1921.
Aus., 1924, p. 1058.
Printers' ink. Water-glass, coal tar color, coal tar lacquer, or lampblack.

***1893. Bourcet,** P., and H. Regnault. 396071. 1922.
Aus., 1924, p. 1233.
De-inking process.

***1894. Badische Anilin & Soda Fabrik.** 397219. 1923.
Aus., 1924, p. 1373; Cent., 1924, Jahrg. 95, Teil 2, p. 1653.
Substitution of 1.3. butylenglycol for glycerin in printers' ink.

***1895. Seidler,** P. 399764. 1922.
Aus., 1924, p. 1657.
Printers' inks. Color and sulphite waste liquor.

***1896. Chemische Fabrik Dr. Groppel & Co.** 400211. 1922.
Aus., 1924, p. 1726.
Printing blacks from acid tars produced in the refining of petroleum.

***1897. Seidler,** P. 400976. 1922.
Aus., 1924, p. 1781.
Printers' inks from sulphite waste liquor.

***1898. Alchemic Gold Co.** 401057. 1923.
Aus., 1924, p. 1840.
Printers' metallic ink, especially for book bindings. Metal powder with binder of neutralized resin or resin ester.

**1899. Indelible Coloration Corporation.** 401058. 1923.
Aus., 1924, p. 1840.
Ceramic ink.

***1900. Ruffert,** G. 401145. 1922.
Aus., 1924, p. 1862.
De-inking process.

***1901. Alchemic Gold Co.** 402171. 1922.
Aus., 1924, p. 1968.
Quick-drying printers' ink for book-bindings. Melting point of solvent lies between 200° and 300° C.

**1902. Cajar,** H. 402172. 1924.
Aus., 1924, p. 1968.
Black pigment. Oxidation of anilin salt with chromates and copper sulphate.

**1903. Chemische Fabrik Dr. Adolf Heinemann.** 402313. 1922.
Aus., 1924, p. 1968.
Stamping ink. Adds sulphated oil to ordinary inks.

***1904. Walther,** B. 402727. 1922.
Aus., 1924, p. 2022.
Safety printers' ink. Substitutes part of water of ordinary writing ink by thickener and indicator.

**1905. Chemische Fabrik Pharma.** 404263. 1923.
Aus., 1924, p. 2209.
Typewriter ribbon colors from ammoniacal compounds.

## CANADA

Library has abstracts only.

**1906. Carter,** J. W. 1844. 1872.
Pat. O. R., v. 1, p. 16.
Writing ink. Method of introducing air into liquid.

***1907. Foley,** J. 2946. 1873.
Pat. O. R., v. 1, p. 208.
Machine for making tanning extracts for printers' mordants.

**1908. Sjôstrôm,** L. G. 9239. 1878.
Pat. O. R., v. 6, p. 156.
Copying ink with gum arabic and glycerin.

**1909. Girdwood,** G. P. 9828. 1879.
Pat. O. R., v. 7, p. 66.
Safety paper and ink. Carbon base not affected by alkalies.

**1910. Jacobs,** J. M. 10244. 1879.
Pat. O. R., v. 7, p. 130.
Copying ink. Gelatin, glycerin, water, and whiting.

***1911. Hooker,** Le R. 11630. 1880.
Pat. O. R., v. 8, p. 156.
Printers' ink. Coal tar, lampblack, and camphor.

***1912. Grant,** J. B., and T. Barfoot. 17065. 1883.
Pat. O. R., v. 11, p. 213.
Safety printers' ink. Color, magnesia, anilin dye, copper sulphate, alum, litharge, and varnish.

***1913. Stanchfield,** G. M. 25493. 1886.
Pat. O. R., v. 15, p. 6.
Inkoleum for softening printers' ink. Kerosene, ether, sassafras oil, oil of cloves.

***1914. Zenolite Manufacturing Co.** 33544–45. 1890.
Pat. O. R., v. 18, p. 44.
Printers' ink. Maltha and pigment.

***1915. Holt,** O. G. 34510. 1890.
Pat. O. R., v. 18, p. 326.
Printers' and lithographic ink. Uses residue from petroleum distillation.

***1916. Ogilvy,** D. J. 57371. 1897.
Pat. O. R., v. 25, p. 1005.
Printers' ink. Black pigment, oils or resinous material, subjected to high pressure or superheated steam.

**1917. Lichtentag,** I., and others. 65605. 1900.
Pat. O. R., v. 28, p. 4.
Writing ink. Process of mixing finely divided carbon and soap.

***1918. Ogilvy,** D. J. 70609. 1901.
Pat. O. R., v. 29, p. 396.
Printers' ink. Process of heating.

***1919. Wass,** A. G. 80613. 1903.
Pat. O. R., v. 31, p. 828.
Printers' ink and varnish. Heavy mineral oil, resin, and color.

***1920. Duncan,** G. S., and G. H. Potts. 97728–31.
Pat. O. R., 1907, v. 34, p. 558.
Composition to prevent set-off. Numerous claims embracing volatile and non-volatile oils and soap.

***1921. Hopkins,** M. S., and C. R. Barnett. 121093–94. 1909.
Pat. O. R., v. 37, p. 2612–2613.
Process for recovering ingredients of oily inks.

**1922. Downie,** J. 129627. 1910.
Pat. O. R., v. 38, p. 3502.
Writing ink. Ether, wood alcohol, water, and color.

**1923. Werner,** E. W., and others. 130421. 1911.
Pat. O. R., v. 39, p. 100.
Writing ink. Prussian blue, yellow prussiate of potassium, ammonium, and a liquid solvent.

**1924. Hochstetter,** R. 134555. 1911.
Pat. O. R., v. 39, p. 2376.
Ink for wax stencil sheet. Pigment ground in glycerin and sulphonated oil.

**1925. Hochstetter,** R. 136422. 1911.
Pat. O. R., v. 39, p. 3358.
Mimeograph ink. Inorganic pigment, glycerin, and sulphonated oil.

***1926. Meixell,** W. B., and others. 143339. 1912.
Pat. O. R., v. 40, p. 3257.
De-inking process.

**1927. Owens,** C. 147196. 1913.
Pat. O. R., v. 41, p. 1163.
Re-inking device for typewriter ribbons.

**1928. Schmidt,** E. E. 166100. 1915.
Pat. O. R., v. 43, p. 3490.
Writing ink. Aqueous solution of nigrosin, carbon, sodium hydrate, and glue.

***1929. Welsh,** J. 169743. 1916.
Pat. O. R., v. 44, p. 1585.
De-inking process.

***1930. Putman,** F. A. 176288. 1917.
Pat. O. R., v. 45, p. 1081.
Printers' ink. Gum, oil, metallic and non-metallic pigments. Ink makes light impression on dark goods, and dark impression on light goods.

**1931. Archibald,** C. F. 178908. 1917.
Pat. O. R., v. 45, p. 2510.
Machine for inking typewriter ribbons.

***1932. Roko Manufacturing Co.** 182303. 1918.
Pat. O. R., v. 46, p. 449.
Printers' ink. Petrolatum, magnesium carbonate, and sodium silicate.

*Patents — Canada, continued.*

1933. **Jeanmaire,** L. 191080. 1919.
Pat. O. R., v. 47, p. 992.
Indelible ink. Logwood extract, potassium bichromate, alum, nut galls, gum arabic, silver nitrate, and water.

1934. **Holder,** W. E., and G. L. Catchpole. 194292. 1919.
Pat. O. R., v. 47, p. 2081.
Safety writing ink. Water soluble ferrocyanid color, a solution maintaining ingredient, epsom salts, and turkey red oil.

*1935. The **Newsprint Reclaiming Corporation.** 196164. 1920.
Pat. O. R., v. 48, p. 142.
De-inking process.

1936. **Tsutsumi,** M. 200825. 1920.
Pat. O. R., v. 48, p. 1558.
Solid ink. Logwood, galls, sodium salicylate, gum arabic, dyestuff, potassium ferrous tartrate.

*1937. **Jespersen Paper Co.** 203587. 1920.
Pat. O. R., v. 48, p. 2385.
De-inking process.

*1938. **Osborne,** W. M. 204398. 1920.
Pat. O. R., v. 48, p. 2635.
De-inking process.

1939. **Olsen,** J. C. 206070. 1920.
Pat. O. R., v. 48, p. 3157.
Ink stick. Water soluble anilin dye, graphite, and dextrin.

1940. **Marvin,** P. B., and J. C. Phelan. 207058. 1921.
Pat. O. R., v. 49, p. 3.
Device for refreshing typewriter ribbons.

*1941. **Fitzgerald,** F. C. 215783. 1922.
Pat. O. R., v. 50, p. 280.
Lithographic ink. Additive for lithographic ink. Glycerin, calcium chloride, potassium phosphate, carbolic acid, and liquid gum.

1942. **Conney,** F. B. 230996. 1923.
Pat. O. R., v. 51, p. 1108.
Ink paste, water, dextrin, gallic acid, ferrous sulphate, carbolic acid, glycerin, anilin blue, indigotin, and acetic acid.

1943. **Doughty,** H. W. 233933. 1923.
Pat. O. R., v. 51, p. 2067.
Metallic ink. Metallic pigment, resin, terpineol, and solvents.

*1944. The **Alchemic Gold Co.** 234014. 1923.
Pat. O. R., v. 51, p. 2091.
Printers' ink. Coumaron resin, terpineol, resin oil, metallic powder.

1945. **Spensley,** J. W. 234817. 1923.
Pat. O. R., v. 51, p. 2360.
High speed centrifugal disk mill.

1946. **Dick, A. B., Co.** 236471. 1923.
Pat. O. R., v. 51, p. 2916.
Writing ink using color, sulphonated oil, resin oil, green soap.

1947. **Hope,** E. 236675. 1923.
Pat. O. R., v. 51, p. 2981.
Writing ink. Prussian blue, phenol, water, and color.

*1948. The **Alchemic Gold Co.** 237060. 1924.
Pat. O. R., v. 52, p. 125.
Printers' ink. Resin ester, neutral solvent, and metallic pigment.

1949. **Schmidt,** E. E. 237584. 1924.
Pat. O. R., v. 52, p. 308.
Writing ink. Spirit of soluble black, mirbane oil, carbolic acid, turkey red oil.

1950. **Cappon,** T. W., and H. S. MacKaye. 242305. 1924.
Pat. O. R., v. 52, p. 1865.
Single fluid ink eradicator using alkaline metaphosphate.

## AUSTRALIA

The Library has abstracts only.

*1951. **Fireman,** P. 4418. 1905.
Aus. off. jour., 1907, p. 58.
Printing ink pigments. No abstract.

*1952. **Fireman,** P. 5040. 1906.
Aus. off. jour., 1906, p. 28.
Printing ink pigments. No abstract.

1953. **Lamp'l,** R., and P. J. Lamp'l. 17506. 1910.
Aus. off. jour., 1910, p. 915.
Anti-forgery ink.

1954. **Child,** R. C., and J. Johnston. 17545. 1910.
Aus. off. jour., 1910, p. 1076.
Apparatus for powdering coal, jet, or shale.

*1955. **Burby,** J. M. 5158. 1912.
Aus. off. jour., 1913, p. 779.
Recovery of waste paper.

*1956. **Burby,** J. M. 9207. 1913.
Aus. off. jour., 1913, p. 787.
Recovery of waste paper.

1957. **Tsutsumi,** M. 13377. 1919.
Aus. off. jour., 1921, p. 255.
Solid ink. Logwood, galls, sodium salicylate, gum arabic, potassium ferrous tartrate, dye.

*1958. **Eyrich,** H. R., and J. A. Schreiber. 2092. 1920.
Aus. off. jour., 1921, p. 1479.
De-inking process.

*Patents — Australia, continued.*

*1959. **Fraser,** N. G. 4415. 1920.
Aus. off. jour., 1922, p. 1342.
Safety ink for preventing removal of obliteration marks from prepayment stamps. Pyrogallic acid, ferrous sulphate, ferric perchloride, glycerin, water.

1960. **Quigg,** W. J. 18990. 1920.
Aus. off. jour., 1921, p. 1044.
Branding ink. Residue from eucalyptus distillation, and soap.

*1961. **Fitzgerald,** F. C. 3163. 1921.
Aus. off. jour., 1922, p. 264.
Lithographic ink. Glycerin, calcium chloride, potassium phosphate, carbolic acid, gum, litho ink.

1962. **Spensley,** J. W. 11495. 1922.
Aus. off. jour., 1923, p. 625.
Disk mill.

## NEW ZEALAND

The Library has abstracts only.

1963. **Levinge,** H. M., and J. Levinge. 12033. 1899.
Gaz., 1899, p. 1915.
Writing ink using wood distillate.

1964. **Stewart,** W. 14525. 1902.
Gaz., 1902, p. 467.
Copying ink. Ordinary ink and glycerin.

*1965. **Wass,** A. G. 15169. 1902.
Gaz., 1902, p. 1677.
Printers' varnish. Mineral oil, resin, black or color.

*1966. **Child,** R. C. 29883. 1911.
Gaz., 1911, p. 2876.
Printers' ink. Pitch, powdered coal, or shale.

*1967. **Harris,** P. L. 30128. 1911.
Gaz., 1911, p. 3320.
Ink for printing on soap. No abstract.

## BELGIUM

The Library has abstracts only.

1968. **Mailleux,** J. J., and H. Mailleux. 1855.
Rec., v. 1, p. 936.
Ink to outline design in glass and metal gilding. Cobalt oxide, magnesia, gum copal, ambergris, iron rust.

1969. **Léonhardi,** A. 1856.
Rec., v. 2, p. 492; Ding., 1856, Jahrg. 142, p. 141; Poly. Cent., 1856, Jahrg. 22, p. 1472.
Alizarin writing ink. Gall-nuts, madder, water, indigo, iron sulphate, pyro-acetate or pyrolignate of iron.

*1970. **Rousselle,** L. 1856.
Rec., v. 2, p. 613.
Printers' ink. Lampblack, linseed oil, aqua regia, silver nitrate.

1971. **Wurden,** J. 1858.
Rec., v. 4, p. 455.
Stamping ink. Blue mineral color, linseed oil, olive oil, sulphate of magnesia, turpentine.

1972. **Delhausse,** V. 6728. 1858.
Rec., v. 5, catégorie 5, p. 142.
Non-corrosive writing ink. Adds a salt of copper, silver, or zinc to ordinary ink.

*1973. **Viette,** P. A. 6871. 1858.
Rec., v. 5, catégorie 5, p. 152; Wag. Jahr., 1859, Jahrg. 5, p. 541.
Lithographic ink. Gutta-percha or rubber; stearin, tallow, or wax; black color; turpentine; bitumen, varnish.

*1974. **Lekieffre,** X. 6891. 1859.
Rec., v. 5, catégorie 5, p. 161.
Black for printers' ink. Obtained in distillation of cannel coal.

1975. **Ballande,** J. A. H. 7159. 1859.
Rec., v. 5, catégorie 6, p. 94.
Safety writing inks. Gum water, prussiate of soda or of potassium, hyposulphite of soda.

1976. **Dunn,** A. 7629. 1859.
Rec., v. 5, catégorie 5, p. 336.
Marking inks. White wax, stearin, graphite, vermilion, silver nitrate.

1977. **Ballande,** J. A. H. 8610. 1860.
Rec., v. 7, catégorie 6, p. 31.
Copying ink using alum and sodium hyposulphite.

1978. **Moolen,** H. van der. 10505. 1861.
Rec., v. 8, catégorie 5, p. 80.
Copying ink in paste form. Campeachy wood, iron sulphate, water, sulphuric acid, indigo, and thickener.

1979. **Croc,** L. 11797. 1861.
Rec., v. 8, catégorie 5, p. 325.
Indelible ink. Anilin, lampblack, thickener, and acid.

1980. **Nadaud,** A. J. 12309. 1862.
Rec., v. 9, catégorie 5, p. 73.
Red, violet, blue, or green writing ink based on fuchsin or anilin.

*Patents — Belgium, continued.*

*1981. **Steinert,** D. 13221. 1862.
Rec., v. 9, catégorie 5, p. 230.
Printers' ink varnish, substituting petroleum for linseed oil.

1982. **Lundgren,** J. E. 14721. 1863.
Rec., v. 10, catégorie 5, p. 254.
Process for powdering mineral and vegetable carbon.

*1983. **Hulot,** A. A. 17453. 1865.
Rec., v. 12, catégorie 5, p. 62.
Printers' ink. Honey, glycerin, and colors.

1984. **Racquet,** E. 20040. 1866.
Rec., v. 13, catégorie 5, p. 195.
Sympathetic ink. Sulphate of copper, prussiate of potassium.

*1985. **Rave,** C. 20226. 1866.
Rec., v. 13, catégorie 5, p. 276.
Printers' black ink. Anilin salt, potassium chlorate or other oxydizing agent.

*1986. **Kircher,** J., and E. Ebner. 26102. 1869.
Rec., v. 16, catégorie 5, p. 139.
Printers' ink. Iron oxide, tannic or gallic acid, and varnish.

*1987. **Hodges,** J. F. 31093. 1872.
Rec., v. 19, catégorie 6, p. 55.
Safety paper and printers' ink. Ordinary writing ink thickened with amidon or gum.

1988. **Lebel,** A. 32072. 1873.
Rec., v. 20, catégorie 6, p. 25.
Sympathetic ink. Ferro-cyanid of potassium used as ink for paper impregnated with iron salt.

1989. **Suyckerbuyk,** G., and J. G. Koning. 32989. 1873.
Rec., v. 20, catégorie 5, p. 171.
Writing ink. Gall nuts, alcohol, iron sulphate, gum arabic, water, and vanadium salt.

1990. **Soupart,** G. E. 33255. 1873.
Rec., v. 20, catégorie 5, p. 187.
Writing ink. Water, fuchsin or anilin color, sugar or gum arabic.

*1991. **Persoz,** J., and A. Jeannolle. 33785. 1873.
Rec., v. 20, catégorie 5, p. 250.
Printers' ink. Based on coal tar.

*1992. **Daguzan,** J. P. 34189. 1874.
Rec., v. 21, catégorie 5, p. 65.
Printers' ink based on gutta-percha or india rubber.

*1993. **McIlvaine,** C. M. 34344. 1874.
Rec., v. 21, catégorie 5, p. 69.
Printers' ink resembling effects of writing ink. Water-soluble colors and gums.

1994. **Gaffard,** P. A. 34713. 1874.
Rec., v. 21, catégorie 5, p. 128.
Indelible ink. Finely divided carbon in alkaline silicate.

*1995. **Platel,** L. J. 35917. 1874.
Rec., v. 21, catégorie 5, p. 252.
Black printers' ink. Tannin, glycerin, thyme, gums, glucose, iron compounds.

*1996. **Pourbaix,** A. 36736. 1875.
Rec., v. 22, catégorie 5, p. 112.
Fatty ink based on cyanid of iron.

1997. **Roussel,** E., and Gervais-Roussel. 38722. 1876.
Rec., v. 23, catégorie 5, p. 40.
Ink tablets. Campeachy extract, water, sulphate of iron, alum, sumac.

1997a. **Joly,** A. 42374. 1877.
Rec., v. 24, catégorie 5, p. 94; Ber., 1879, Jahrg. 12, Teil 1, p. 209; Wag. Jahr., 1879, Jahrg. 25, p. 1097.
Non-corrosive writing ink. Alkalies, borates, alkaline phosphates, color, sugar (or gum arabic).

1998. **Zipperer Frères.** 45523. 1878.
Rec., v. 25, p. 124.
Grinding device for india ink.

1999. **Bertrand-Fery,** H. 47802. 1879.
Rec., v. 26, catégorie 5, p. 53.
Violet and blue writing inks. Anilin, sugar, glue, vinegar, juniper juice, and water.

*2000. **Wilhelm,** J. J., and F. Rohnstadt. 50113. 1879.
Rec., v. 26, catégorie 5, p. 243.
Printers' ink. Tar oil, sulphuric acid, calcined soda.

2001. **Ronnen,** J. F. 50852. 1880.
Rec., v. 27, catégorie 5, p. 84.
Hectograph ink. No recipe given.

*2002. **Gunther,** H. 51725. 1880.
Rec., v. 27, catégorie 5, p. 160.
Black printers' ink. Pitch or asphalt, tar oil, anilin violet, sebacic acid, resin oil.

2003. **Mohr,** C. 51863. 1880.
Rec., v. 27, catégorie 5, p. 164.
Ink paste for stamping letters. Glycerin, water, anilin color, glue.

2004. **Gruenwald,** L. 54021. 1881.
Rec., v. 28, catégorie 5, p. 66.
Copying ink. Acetate of uranium, molasses, glycerin.

*2005. **Brackebusch,** H. 54141. 1881.
Rec., v. 28, catégorie 5, p. 70.
Printers' ink. Carbon, paraffin, resin.

*2006. **Gunther,** H. 55058. 1881.
Rec., v. 28, catégorie 5, p. 209.
Printers' ink. Pitch or asphalt, anthracene oil, copper chloride, black soap, fish oil, and alcohol.

2007. **Magne,** J. J. 55541. 1881.
Rec., v. 28, catégorie 5, p. 220.
Drawing and writing ink. Albumin, bichromate, alum, ferro-cyanid of potassium.

*2008. **Reissig,** G. 57106. 1882.
Rec., v. 29, catégorie 5, p. 68.
Indelible writing, stamping and printers' inks. Linseed oil varnish with iron salts.

*2009. **Schmidt Frères.** 58353. 1882.
Rec., v. 29, catégorie 5, p. 199.
Printers' and stamping ink. Linseed oil, oxide of manganese.

*Patents — Belgium, continued.*

***2010. Schmidt Frères.** 59863. 1882.
Rec., v. 29, catégorie 5, p. 294.
Stamping and printers' ink. Oxide of manganese.

***2011. Nesbit,** A. A. 60543. 1883.
Rec., v. 30, catégorie 5, p. 66.
Printers' ink for postage stamps, checks, etc. Uses anchusin or orcanin.

**2012. Gigot,** R. 79606. 1887.
Rec., v. 35, catégorie 5, p. 384.
Stamping ink. Linseed oil, ultramarine blue, lampblack, camphor, nitrobenzol.

**2013. Outhenin, Chalandre, fils, et Cie.** 80927. 1888.
Rec., v. 36, catégorie 5, p. 40.
Safety paper. Ferrocyanid of potassium, manganese and nickel salts.

**2014. Charrier,** P., and E. Dubucq. 85626. 1889.
Rec., v. 37, catégorie 5, p. 172.
Copying writing ink. Sugar cane solution and glycerin added to ordinary ink.

**2015. Dimitry,** C. P. 86567. 1889.
Rec., v. 37, catégorie 5, p. 194.
Indelible non-corrosive ink. Water, gelatin, bichromate of potassium, black anilin powder, and creosote.

***2016. Hubert-Magis,** E. 88855. 1889.
Rec., v. 37, catégorie 5, p. 376.
Lithographic ink. Lampblack, linseed oil, resin, wax, and black soap.

**2017. Muller,** W. 89876. 1890.
Rec., v. 38, catégorie 5, p. 74.
Ink paste. Black color, dextrin, glycerin.

**2018. Coën,** E. 93819. 1891.
Rec., v. 39, catégorie 5, p. 70.
Copying ink. Sugar and glycerin added to writing ink.

**2019. Chantrainer,** J. A. 94524. 1891.
Rec., v. 39, catégorie 5, p. 149.
Copying ink used without water or press.

**2020. Genzsch,** A., and E. R. Klimosch. 94577. 1891.
Rec., v. 39, catégorie 5, p. 151.
Marking ink. Pyrolusite and coal tar colors.

**2021. Bobeau et Fleuriau.** 97360. 1891.
Rec., v. 39, catégorie 6, p. 99.
Paper impregnated with tannin makes characters indelible.

**2022. Société Marillier et Robellet.** 97737. 1891.
Rec., v. 39, catégorie 5, p. 353.
Process for strengthening and clarifying wood extracts.

***2023. Higgins,** C. M. 97830. 1892.
Rec., v. 40, catégorie 5, p. 71.
Printers' and stamping ink. Oil, carbolic acid or creosote, castor oil, color.

***2024. Castaneda,** J. 98910. 1892.
Rec., v. 40, catégorie 5, p. 92.
Process for recovery of printers' ink from cleaning cloths.

**2025. Verstuyft,** J. 106150. 1893.
Rec., v. 41, catégorie 5, p. 259.
Blue-black writing ink. Water, gall-nuts, alum, Fernambouc wood, oxalic acid, salicylic acid, acetic acid.

***2026. Bibby,** J., and J. Bibby. 105607. 1893.
Rec., v. 41, catégorie 5, p. 248.
Printers' ink based on cotton seed foots.

**2027. Bourlez,** V. 112407. 1894.
Rec., v. 42, catégorie 5, p. 375.
Concentrated ink. Hematin, bichromate of potassium, hydrochloric acid, water.

**2028. Nienstaedt,** E., and L. Goldmark. 108608. 1894.
Rec., v. 42, catégorie 5, p. 87.
Solid ink. Non-porous powder immersed in ordinary ink and dried.

**2029. Weyter et Cie.** 116396. 1895.
Rec., v. 43, catégorie 5, p. 303.
Hectographic ink. Glue, water, glycerin, white bole, and amidon.

**2030. Grawitz,** W. J. S. 127918. 1897.
Rec., 1897, p. 690.
Indelible writing ink. Anilin, hydrochloric acid, acetate of soda, manganese chloride, perchloride of iron, sodium chlorate.

***2031. Gentele,** E. O. S., and H. R. Gentele. 128209. 1897.
Rec., 1897, p. 690.
Printers' ink. Wood powder, wood pulp, or cellulose impregnated with color.

**2032. Grawitz,** W. J. S. 130910. 1897.
Rec., 1897, p. 1516.
Marking ink. Anilin base.

***2033. Dordtsche Petroleum Maatschappij.** 131362. 1897.
Rec., 1897, p. 1664.
Printers' ink using Grisee oil.

***2034. Taylor,** F. C., and H. H. Kinloch. 132443. 1897.
Rec., 1897, p. 1833.
Improvement in printers' ink to facilitate its distribution. Copaiba balsam, glycerin, santal oil, petroleum, pine balsam, turpentine, manganese, ether, chloroform, ammonia.

**2035. Henry,** C. 135996. 1898.
Rec., 1898, p. 856.
Copying ink not requiring moistening of paper. Uses phenol substances.

**2036. Lichtentag,** I., and A. Lichtentag. 139169. 1898.
Rec., 1898, p. 1820.
Writing ink. Carbon, soap and water.

***2037. Ritter,** A. 145453. 1899.
Rec., 1899, p. 1588.
Lithographic varnish. Linseed oil, resin, lard, turpentine.

*Patents — Belgium, continued.*

2038. **Brandel,** F. de, and A. de Baudry d'Asson. 156145. 1901.
Rec., 1901, p. 612.
Manufacture of colors from heavy mineral oils and tars.

*2039. **Wass,** A. G. 163937. 1902.
Rec., 1902, p. 777.
Printers' ink. Mineral oil, resin, and color.

*2040. **Wass,** A. G. 164124. 1902.
Rec., 1902, p. 962.
Varnish for printers' ink. Mineral oil, resin, and color.

*2041. **Meixell,** W. B., and T. Holt. 174572. 1903.
Rec., v. 51, p. 1782.
De-inking process.

2042. **Laffon,** A. O. 180499. 1904.
Rec., v. 52, p. 1545.
Copying ink. Color, glycerin, thickener, and pyrogallic acid.

2043. **Coterillo y Ojeda,** F., and R. J. Quesada. 185107. 1905.
Rec., v. 53, p. 853.
Copying ink. Glycerin and syrup added to ordinary ink.

*2044. **Fireman,** P. 187298. 1905.
Rec., v. 53, p. 1499.
Pigment for printers' inks. Replaces carbon black with iron oxides.

*2045. **Fireman,** P. 189125. 1905.
Rec., v. 53, p. 1880.
Pigment for printers' inks and process for manufacture. Based on iron oxides.

*2046. **Plantrou,** A. A. 193435. 1906.
Rec., v. 54, p. 1124.
De-inking process.

*2047. **Herz,** L. 212200. 1908.
Rec., v. 56, p. 2119.
De-inking process.

2048. **Hochstetter,** R. 217708. 1909.
Rec., v. 57, p. 1175.
Mimeograph ink. Color ground with glycerin.

*2049. **Child,** R. C., and J. Johnston. 224372. 1910.
Rec., v. 58, p. 717.
Lithographic and printers' ink.

*2050. **Petsche,** B. W. 225209. 1910.
Rec., v. 58, p. 954.
De-inking process.

*2051. **Child,** R. C. 236923. 1911.
Rec., v. 59, p. 1455.
Printers' ink. Tar, pitch, and pulverized coal or schist.

*2052. **Kurtz-Haehnle,** C. 240911. 1911.
Rec., v. 59, p. 2551.
De-inking process.

*2053. **Wolff,** M. 260401. 1913.
Rec., v. 61, p. 2112.
Printers' ink. Peat and vegetable black in hot solution of alkaline silicates, and mixed with oils.

2054. **Bramson,** K. 282826. 1919.
Rec., v. 67, p. 148.
Bark of the maritime pine as an ink ingredient.

2055. **Spensley,** J. W. 308591. 1923.
Rec., 1923, p. 52.
Centrifugal grinder.

2056. **Indelible Coloration Co.** 309224. 1923.
Rec., 1923, p. 99.
Fusible ink. Linseed oil, red lead, bitumen, copaiba balsam, amber oil, acetate of lead, and resin.

2057. **Dello Ink Corporation.** 310957. 1923.
Rec., 1923, p. 231.
Indelible ink. Aluminium salt, organic acid, alcohol, anilin color.

*2058. **Bourcet,** P., and H. Regnault. 318507. 1924.
Rec., 1924, p. 278.
De-inking process.

*2059. **Granton,** L. E. 320364. 1924.
Rec., 1924, p. 426.
De-inking process.

## DENMARK

Library has specifications.

*2060. **Gentele,** O. S., and H. R. Gentele. 1375. 1898.
Printers' ink. Wood powder, wood pulp, or cellulose, impregnated with color.

2061. **Kretschmann,** Ernst. 3670. 1901.
Sympathetic paper, using cobalt salt.

*2062. **Wechsler,** S. 4549. 1902.
Lithographic and metal plate ink. Allows continuous printing. Glycerin, carbonate of soda, tartar, turpentine, varnish.

2063. **Fireman,** P. 8878, 9172. 1906.
Preparation of iron oxide pigments.

2064. **Lerman,** D. 9728. 1907.
Pigment from coal or lignite.

2065. **Acheson,** E. G. 11239. 1908.
Process of preparing amorphous substances in finely divided form.

2066. **Machtolf,** J. 12563. 1909.
Apparatus for making amorphous carbon from carbohydrates.

*Patents — Denmark, continued.*

2067. **Debedot**, X. 14607. 1911.
Process of extracting tannins from tannery wastes.

*2068. **Petsche**, B. W. 15200. 1911.
De-inking process.

*2069. **Child**, R. C. 15473. 1912.
Printers' ink. Tar and pitch, powdered shale or anthracite.

*2070. **Colée**, P.M.H.L., and J. M. Egmond. 18120. 1913.
De-inking process.

*2071. **Turkin**, N. W. 19459–60. 1914.
Printers' ink. Turkey red oil, alkali, aluminium acetate.

2072. **Berend**, L., and K. Albert. 20572. 1915.
Base from condensation products of aldehydes and phenols.

*2073. **Rebs**, H., and H. Späth. 22873. 1918.
Printers' ink. Based on wastes from mineral and lubricating oils that have been treated with sulphurous acid.

*2074. **General Waste Paper Recovery Co.** 24794. 1919.
De-inking process.

*2075. **Chemische Fabriken Worms A. G.** 28895. 1921.
Printers' and stamping ink, using lactates.

## SWEDEN

Library has specifications.

2076. **Aktiebolaget Patentpappersfabriken i Penig.** 77. 1885.
Safety paper. Paper impregnated with iron oxide, ferrocyanid and color.

2077. **Aktiebolaget Patentpappersfabriken i Penig.** 188. 1885.
Safety paper using acid solution of chrome salt and indigo salt.

2078. **Olesen**, C. J. 328. 1885.
Process for making lampblack.

2079. **Landström**, J. G. 843. 1886.
Process for making lampblack.

*2080. **Haake**, J. 3118. 1890.
Printers' ink. Rye and potato starch, and color.

2081. **Tobaksfabriksfirmen Brinck, Hafström & Co.** 3488. 1891.
Stamping ink for tobacco. Iron sulphate, chalk or magnesia, vinegar.

2082. **Flemming**, C., and H. de Grousilliers. 7072. 1894.
Decalcomania ink. Wax, turpentine, resin oil (or linseed or rape seed oil), color, and varnish.

2083. **Albrecht**, F. 8104. 1896.
Colored ink for glass and other ceramics. Caustic soda, chalk, sodium sulphate, magnesium sulphate (or water glass), and color.

*2084. **Gentele**, E. O. S., and H. R. Gentele. 8148. 1896.
Printing color. Wood powder, wood pulp, or cellulose impregnated with color.

2085. **Kretschmann**, E. 10536. 1899.
Sympathetic paper using cobalt salt.

2086. **Kretschmann**, E. 12567. 1900.
Sympathetic paper. Cobalt carbonate, sodium chloride, and dilute acid.

2087. **Haucke**, H. 14867. 1901.
Carbon paper.

2088. **Henrik Gahns Aseptin-Amykos Aktiebolag.** 16676. 1903.
Indelible writing and copying ink. Adds citric acid to ordinary alizarin ink.

2089. **Fireman**, P. 21567. 1905.
Preparation of iron oxides.

2090. **Lerman**, D., and others. 22221. 1906.
Process of making finely divided black pigments from coal.

2091. **Fireman**, P. 24491. 1905.
Process for preparing iron oxides.

*2092. **Jagenburg**, F. G. 29456. 1910.
Printing ink color.

*2093. **Chemische Fabriken Dr. Kurt Albert.** 39483. 1915.
Printers' ink base. Emulsification of asphalts, hydrocarbons, etc., with concentrated neutralized sulphite cellulose lye.

2094. **Berend**, L., and Chemische Fabriken Dr. Kurt Albert. 40460. 1916.
Base from condensation products of aldehydes and phenols.

*2095. The **General Waste Paper Recovery Co.** 51236. 1922.
De-inking process.

*2096. **Chemische Fabriken Worms A. G.** 51588. 1922.
Doubletone ink. Fatty or oil solution, napthoic acid, and alizarin color.

2097. **Rosendahl**, P. G. V. 53287. 1922.
Copying writing ink, using glycol.

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The Library has no specifications. Abstracts are contained in Oesterreichischer Patent Blatt (Abbreviation: Ptb.).

**2098. Kretschmann,** E. 787. 1899.
Ptb., 1899, p. 452; 1900, p. 20.
Sympathetic paper, using cobalt salts.

***2099. Veal,** C. H. 969. 1899.
Ptb., 1899, p. 505; 1900, p. 120.
Lithographic transfer preparation. Barium sulphate, cinnabar, glycerin, plaster of paris, meal paste, carbolic acid.

**2100. Kretschmann,** E. 4287. 1900.
Sympathetic ink and paper. Resorcin, paratoluidin, and sulphuric acid.

***2101. Ferd. Piatnik & Söhne.** 4871. 1901.
Printers' ink varnish. Linseed oil, resin, fat, and turpentine.

***2102. Wechsler,** Simon. 6437. 1901.
Printers' and lithographic ink. To ink made from varnish and glycerin, adds soda, tartar, and turpentine.

***2103. Kretschmann,** E. 6664. 1901.
Ptb., 1901, p. 569; 1902, p. 65.
Sympathetic printing ink. (No recipe given.)

**2104. Kretschmann,** E. 7853. 1901.
Ptb., 1901, p. 793; 1902, p. 403.
Sympathetic paper, using cobalt salt. Addition to Austrian patent no. 787, 1899.

***2105. Wechsler,** S., and E. Bauer. 8368. 1902.
Ptb., 1902, p. 543.
Printers' and lithographic ink. Addition to no. 6437, 1901.

***2106. Wass,** A. G. 16457. 1904.
Ptb., 1904, p. 117, 396.
Printers' ink varnish. Mineral oil distillate and resin.

***2107. Fireman,** P. 27297. 1906.
Ptb., 1906, p. 752, 1000.
Iron oxide pigments for printers' inks.

***2108. Fireman,** P. 31231. 1907.
Ptb., 1907, p. 618, 942.
Iron oxides for printers' inks.

***2109. Lerman,** D. 33801. 1907.
Ptb., 1907, p. 437; 1908, p. 529.
Black pigment from coal or lignite.

***2110. Rudolf Koepp & Co.** 35227. 1908.
Ptb., 1908, p. 467, 849.
Black pigment from coal.

**2111. Garzino,** L. 37123. 1908.
Ptb., 1908, p. 954; 1909, p. 342.
Sympathetic ink. Ferrocyanid of potassium, graphite, magnesium carbonate, alum, potassium sulphate.

**2112. Soštarić,** M. 43811. 1910.
Ptb., 1910, p. 334, 746.
Process of fixing markings produced by ink pencil.

***2113. Henkel & Co.** 46459. 1910.
Ptb., 1910, p. 796; 1911, p. 48.
De-inking process.

***2114. Louis Kienzle Holzstoff & Pappenfabriken.** 48937. 1910.
Ptb., 1910, p. 1214; 1911, p. 514.
De-inking process.

***2115. Petsche,** W. 53110. 1911.
Ptb., 1911, p. 1052; 1912, p. 345.
De-inking process.

***2116. Child,** R. C. 54514. 1912.
Ptb., 1912, p. 265, 677.
Printers' ink. Tar or pitch and powdered shale or coal.

***2117. Schimek,** J. 58833. 1912.
Ptb., 1913, p. 371.
De-inking process. (Abstract not found.)

***2118. Kurtz-Haehnle,** K. 64671. 1912.
Ptb., 1912, p. 1159; 1915, Teil 2, p. 119.
De-inking process.

***2119. Lietzenmayer,** A. 64697. 1913.
Ptb., 1913, p. 1166; 1914, Teil 2, p. 220.
De-inking process.

***2120. Albert,** Kurt, and L. Berend. 73420. 1916.
Ptb., 1916, Teil 2, p. 296; 1917, Teil 2, p. 72.
De-inking process.

***2121. Burby,** J. M. 73599. 1916.
Ptb., 1916, Teil 2, p. 245; 1917, Teil 2, p. 101.
De-inking process.

**2122. Guenther Wagner.** 74132. 1917.
Ptb., 1917, Teil 2, p. 4, 184.
White ink. Zinc or magnesium hydroxide, ammonium salt or lye.

**2123. Chemische Fabriken Dr. Kurt Albert,** and L. Berend. 77698. 1918.
Ptb., 1918, Teil 2, p. 168; 1919, Teil 2, p. 168.
Resins from phenols and aldehydes.

***2124. Abele,** W. 79959. 1919.
Ptb., 1919, Teil 2, p. 203; 1920, Teil 2, p. 23.
De-inking process.

***2125. Farbwerke vorm. Meister, Lucius & Brüning.** 89795. 1922.
Ptb., 1922, Teil 2, p. 121, 331.
Printers' ink. Water insoluble color and ethylene-thiodiglycol (dioxydiäthylsulphid) added to ordinary inks.

**2126. Tinten-Siegellackfabrik Friedrich Bardeleben.** 93945. 1923.
Ptb., 1923, Teil 2, p. 101, 290.
Effervescent ink tablets. Alkali carbonate, sodium bisulphate and bicarbonate, ammonium carbonate, oxalic acid, metal powder.

***2127. Eyrich,** H. R., and J. A. Schrieber. 95905. 1921.
Ptb., 1923, Teil 2, p. 325. See also Chemisch-technische Übersicht, 1924, Jahrg. 48, p. 179.
De-inking process.

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Patents, 900, 1201, 1239, 1240, 1287, 1375, 1787, 1809, 2034, 2056.
Copper compounds:
Patents, 866, 1018, 1040, 1089, 1214, 1228, 1246, 1281, 1299, 1439, 1559, 1560, 1567, 1583, 1594, 1605, 1650, 1770, 1902, 1912, 1972, 1984, 2006.

Copper plate ink, 672.
Patents, 1277, 1379, 1646. *See also* Etching ink; Printing plates, Ink for.
Copying machine ink. *See* Duplicating machine ink.
Cornflower paste:
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Cotton-seed foots:
Patents, 875, 1359, 2026.
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Patents, 815, 977a, 1121, 1415.
Coumaron resin:
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Creosote:
Patents, 853, 1433, 1613, 2015, 2023.
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Decalcomania ink:
Patents, 1493, 1630, 1739, 2082.
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Patents, 930, 970, 991a, 1001, 1004a, 1035, 1061, 1149, 1172, 1289a, 1555, 1623, 1724, 1732, 1736, 1736a, 1742, 1744, 1745, 1745b, 1747, 1750, 1753, 1765, 1767, 1781, 1784, 1792, 1794, 1795, 1798, 1815, 1829, 1833, 1841, 1844, 1844b, 1857, 1871, 1882, 1893, 1900, 1926, 1929, 1935, 1937, 1938, 1955, 1956, 1958, 2041, 2046, 2047, 2050, 2052, 2058, 2059, 2068, 2070, 2074, 2095, 2113–2115, 2117–2121, 2124, 2127.
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Dinitro-diamino-sulfobenzid:
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Disazo dyes:
Patent, 949a.
Double-tone inks, 582, 600.
Patents, 1868a, 1887, 2096.
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Patents, 868, 983a, 1020, 1064, 1571, 1689, 1836, 2007.
Duplicating machine ink, 138, 192, 222, 307, 335, 348, 389, 439, 569, 615.
Patents, 920, 950, 957–959, 964, 978, 1015, 1264, 1269, 1348, 1475a, 1487, 1503, 1505, 1526, 1737, 1807, 1821, 1825, 1827, 1838, 1852, 1853, 1924, 1925, 2001, 2029, 2048. *See also* Stencil ink.

## E

Effervescent ink:
Patents, 881, 902, 1388, 2126.
Elder extract:
Patent, 1360.
Electric light bulbs, Coloring:
Patent, 970b.
Electric light carbons (Waste), Ink from:
Patent, 1819.
Electrical resistance of ink, 20:
Patents, 936, 988b, 1835.
Electroplates. *See* Printing plates.
Embroidery transfer ink:
Patents, 1284, 1782, 1818a, 1821a.
Emulsification:
Patents, 981a, 1508, 1551, 1865, 1890, 1891a, 2093. *See also* Water-in-oil emulsions.
Enamel ink:
Patent, 1244.
Engraving ink:
Patents, 1084, 1124, 1129, 1515, 1642. *See also* Printing plates, Ink for; Copper-plate ink.
Eosin:
Patent, 1214.
Epsom salts:
Patents, 977, 1533, 1934.
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Patents, 1880, 1948.
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Patents, 1075, 1854.
Ether:
Patents, 852, 1117, 1224, 1367, 1451, 1520, 1809, 1817, 1832, 1880, 1913, 1922, 2034.
Ethylenethiodiglycol:
Patents, 1879, 2125.
Eucalyptus oil:
Patent, 1345.

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Fading of ink. *See* Printers' ink, Fading; Writing ink, Fading; Restoration of faded ink.
Fats:
Patents, 892, 941, 1037, 1098, 1101, 1180, 1217, 1230, 1235, 1238, 1246, 1262, 1295, 1315, 1342, 1350, 1381, 1422, 1463, 1468, 1483, 1549, 1586, 1723, 1772, 1826, 1859, 1891a, 1973, 2037, 2096, 2101.
Finger-print ink:
Patents, 941, 953c, 1005, 1028, 1028a, 1756.
Fire-proof ink:
Patents, 1167, 1175, 1265, 1697, 1713, 1773. *See also* Printers' ink (Fire-proof); Printers' ink (Non-inflammable).
Fish oil:
Patents, 1860a, 2006.
Flour:
Patent, 1379.
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Formaldehyde:
Patents, 998, 1512, 1524, 1530.
Fountain pen ink, 307.
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Fullers' earth:
Patents, 1411, 1455, 1728a.
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Fusel oil:
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Galls. *See* Tannins, galls, and iron salts.
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Gelatin:
Patents, 751, 824, 849, 853, 952, 1028a, 1160, 1168, 1248, 1250, 1291, 1302, 1313, 1385, 1469, 1579, 1651, 1910, 2015.
Gelatinization, Prevention:
Patent, 821.

Gilsonite:
Patent, 990.
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Glass, Ink for writing and printing on, 291, 295, 430, 590.
Patents, 1101, 1155, 1195, 1201, 1230, 1418, 1434, 1556, 1600, 1627, 1632, 1968.
Glass (Powdered) as a pigment:
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Glass (Stained), Ink for imitation:
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Patents, 994, 1115, 1248, 1250, 1313, 1382, 1385, 1457, 1481, 1563, 1564, 1568, 1581, 1587, 1599, 1891, 1928, 1999, 2003, 2029.
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*See also* Polyglycerins.
Glycerin pitch:
Patent, 1866.
Glycol:
Patents, 1841a, 1861, 2097.
Gold chloride:
Patents, 1593, 1606.
Gold ink, 254, 439, 485, 486, 667, 669.
Patents, 1202, 1801.
Gold size:
Patents, 1196, 1216, 1368, 1537.
Grahamite:
Patents, 760, 763.
Graphite:
Patents, 797, 1083, 1167, 1229, 1439, 1475, 1540, 1748, 1828, 1939, 1976, 2111.
Graphite (Deflocculated):
Patents. 936, 960, 1472.
Grisee oil:
Patents, 1391, 1399, 1802a, 2033.
Gum (Fusible):
Patent, 1525.
Gum acacia. *See* Gum arabic.
Gum arabic:
Patents, 746, 753, 765, 799, 809, 811, 870, 882, 902, 923a, 976, 982, 998, 1020, 1032, 1034, 1039, 1060, 1102, 1119, 1124, 1151–1153, 1211, 1212, 1222, 1228, 1254, 1265, 1281, 1291, 1324, 1335, 1343, 1344, 1377, 1388, 1401, 1433, 1466, 1489, 1535, 1558, 1565, 1567, 1569, 1571, 1572, 1576, 1580, 1583, 1588, 1592–1594, 1650, 1773, 1873, 1908, 1933, 1936, 1989, 1990, 1997a.
Gum copal:
Patents, 739, 1098, 1135, 1156, 1167, 1190, 1298, 1691a, 1968.
Gum dammar:
Patent, 1286.
Gum mastic:
Patents, 1091, 1295, 1300, 1468.
Gum myrrh:
Patents, 746, 1456.
Gum senegal:
Patents, 742, 1074.
Gum tragacanth:
Patents, 1103, 1430, 1489, 1529.
Gums:
Patents, 775, 783, 816, 862, 917, 950a, 961, 964, 996, 1086, 1100, 1117, 1153, 1189, 1224, 1245, 1255, 1290a, 1320, 1365, 1395, 1405, 1434, 1476, 1495, 1523, 1568, 1582, 1586, 1596, 1607, 1615, 1622, 1628, 1650, 1651, 1662, 1663, 1733, 1743, 1745a, 1751, 1930, 1941, 1961, 1975, 1987, 1993, 1995. *See also* names of gums, as: Gum senegal; Gum copal; Shellac; Gum arabic, etc.
Gutta percha:
Patents, 1084, 1275, 1425, 1973, 1992.

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Hair:
Patent, 1146.
Halftone ink, 488, 629.
Hectograph ink. *See* Duplicating machine ink.
Hemlock:
Patents, 836, 966.
Henna used in printers' ink:
Patent, 1608.
Hexamethylenetetramine:
Patent, 1530.
Hydrochloric acid:
Patents, 819, 863, 1008, 1025, 1157, 1317, 1563, 1564, 1587, 1606, 1780, 1873, 1877, 2027, 2030.
Hydrofluoric acid and compounds:
Patents, 1107, 1432, 1886.
Hydrogen peroxide:
Patents, 914, 987.
Hydroxyanthraquinone sulphonic acid:
Patent, 1507a.
"Hygrol."
Patent, 1502.

## I

India ink. *See* Chinese ink.
India wood:
Patents, 1569, 1571, 1603.
Indicators, 157, 172, 547–548.
Patent, 1904.
Indigo:
Patents, 765, 1118, 1146, 1167, 1199, 1459, 1476, 1510, 1571, 1573, 1580, 1587, 1596, 1612, 1730, 1787, 1969, 1978, 2077.
Indigotin:
Patents, 1025, 1942.
Indo-phenol-thiosulphates:
Patent, 1419.
Indulin:
Patents, 1026, 1532, 1764.
Ink in general, 11, 34, 72, 85, 124, 124a, 138, 143, 186, 192, 203, 222, 292, 307, 344, 348, 389, 395, 419–421, 439, 461, 569, 615, 718.
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Ink-making apparatus:
Patents, 737, 793, 803, 842, 844, 856–858, 873, 874, 1087, 1125, 1130, 1170, 1174, 1207, 1412, 1758, 1849, 1945, 1962, 1998, 2055, 2065, 2066.
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Ink pencils, 73, 303, 307, 348, 414, 419, 421, 918a.
Patents, 1070, 1141, 1207a, 1666a, 1685, 1791a, 2112.
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Patents, 771, 811, 824, 877, 949, 981, 982, 1021–1023, 1032, 1138, 1173, 1176, 1204, 1212, 1249, 1320, 1329, 1363, 1529, 1535, 1565, 1594, 1613, 1624, 1670, 1675, 1682, 1686, 1688, 1720, 1748, 1762, 1861a–1862, 1875, 1881, 1936, 1957, 1997, 2028, 2126.
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Patents, 768, 847, 912a–914, 929, 932a–932b, 933, 947, 963, 987, 1024, 1026a, 1309a, 1385a, 1649, 1656, 1673, 1886, 1950.
Ink sticks:
Patents, 932, 988, 1364, 1540, 1939.
Intaglio ink:
Patents, 921, 948, 1124, 1469, 1528.
Iodine and iodides:
Patents, 756, 1060, 1444, 1498, 1503, 1607, 1662.
Iodine numbers of oils, 588.
Iron (Acetic):
Patent, 1252.
Iron chlorate:
Patent, 1444.
Iron chloride:
Patents, 839, 1050, 1252, 1445, 1464, 1730, 2030.
Iron filings:
Patents, 750, 1266.
Iron nitrate:
Patents, 836, 1048, 1558, 1606.
Iron oxides:
Patents, 785, 909, 999a, 1462, 1729, 1968, 1986, 2044, 2045, 2063, 2076, 2089, 2091, 2107, 2108.
Iron salts. *See* Tannins, galls, and iron salts, and names of individual iron salts.
Iron sulphate:
Patents, 742, 765, 791, 809, 811, 827, 895, 1004, 1025, 1032, 1034, 1041, 1074, 1082, 1119, 1167, 1181, 1199, 1237, 1281, 1299, 1320, 1334, 1337, 1344, 1377, 1392, 1408, 1429, 1433, 1565, 1567, 1569, 1571, 1578, 1580, 1583, 1592, 1612, 1613, 1615, 1617, 1783, 1873, 1942, 1969, 1978, 1989, 1997, 2081.
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Ketons:
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Krais's method, 212.

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Lactic acid and lactates:
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Lakes:
Patents, 1351, 1457.
Lampblack, Improved process for absorption:
Patents, 1719b, 1884.
Lampblack, Manufacture. *See* Carbon black and lampblack.
Lanolin:
Patent, 890.
Lantern slides, Ink for:
Patent, 1523.
Lead compounds:
Patents, 739, 866, 926, 1018, 1031, 1114, 1126, 1254, 1282, 1284, 1330, 1342, 1361, 1395, 1584, 1585, 1618, 1691a, 1787, 1839, 1912, 2056.
Library inks, 82.
Light, Effect on pigments, 1, 212, 650.
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Lineolates:
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Linseed oil:
Patents, 797, 817, 819, 825, 837, 839, 926, 932d, 949b, 951, 1031, 1033, 1112, 1149, 1156, 1208, 1217, 1241, 1305, 1328, 1333, 1342, 1348, 1365, 1370, 1381, 1395, 1411, 1446, 1450, 1481, 1483, 1491, 1510, 1570, 1580, 1584, 1585, 1590, 1591, 1617, 1621, 1691a, 1779, 1781, 1826, 1839, 1970, 1971, 2009, 2012, 2016, 2037, 2056, 2101.
Lithographic ink, 2, 29, 58, 67, 69–71, 100, 115, 116, 124, 124a, 209, 228, 229, 307, 321, 344, 348, 379, 439, 503, 516, 517, 573, 577, 665.
Patents, 827, 849, 859, 861, 862, 892, 896, 905, 996, 1036, 1084, 1098, 1099, 1136, 1160, 1183, 1298, 1300, 1331, 1349, 1350, 1424, 1446, 1468, 1539, 1542, 1548, 1560, 1586, 1687, 1701, 1718, 1722, 1734, 1740, 1745a, 1751, 1785, 1786, 1803, 1804, 1816, 1824, 1830, 1843, 1848, 1867, 1879, 1915, 1941, 1961, 1973, 2016, 2049, 2062, 2102, 2105.
Lithographic ink, Reduction:
Patent, 1826.
Lithographic ink varnish:
Patents, 946a, 1356, 1723a, 2037.
Logwood:
Patents, 750, 754, 761, 808, 818, 976, 982, 1040, 1046, 1068, 1077, 1082, 1102, 1109, 1173, 1198, 1199, 1237, 1276, 1344, 1377, 1431, 1445, 1535, 1567, 1580, 1583, 1604, 1605, 1613, 1650, 1668, 1678, 1730, 1780, 1789, 1933, 1936, 1978, 1997, 2027.

## M

Madder:
Patents, 1117, 1580, 1612, 1969.
Magnesium compounds:
Patents, 925, 973, 1334, 1379, 1432, 1470, 1475, 1477, 1828, 1858, 1861a, 1912, 1932, 1968, 1971, 2081, 2083, 2122.
Magnesium-platino-cyanide:
Patents, 1309, 2111.
Malt liquor:
Patent, 1082.
Maltha:
Patents, 859, 1331, 1914.
Manganese compounds:
Patents, 800, 828, 837, 987, 1067, 1342, 1345, 1384, 1433, 1456, 1559, 1560, 1618, 1781, 1817, 2009, 2010, 2013, 2030, 2034. *See also* Pyrolusite.
Manuscripts, documents, etc., 162, 169, 211, 231, 306, 314, 415, 421, 439, 475, 645. *See also* Forgeries; Papyri; Record ink; Restoration of faded ink.
Map ink, 25.
Marking ink, 87, 100, 142, 152, 192, 201, 217, 222, 301, 307, 344, 348, 385, 389–391, 421, 521, 532, 538, 569, 590, 607, 644, 650, 653, 695, 726.
Patents, 756, 867, 868, 901, 906, 950a–951, 980, 999, 1083, 1120, 1141, 1152, 1154, 1162, 1218, 1245, 1246, 1256, 1274, 1275, 1294, 1311, 1320, 1323, 1357, 1414a, 1459, 1557, 1572, 1576, 1621, 1622, 1625, 1669, 1719c, 1764, 1976, 2020, 2032. *See also* Writing ink (Indelible).

Marking ink, Testing, 559, 560.
Marking ink (Delible):
Patent, 1377.
Marking ink for bales:
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Marking ink for brake linings:
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Marking ink for bread:
Patent, 1495.
Marking ink for fruit:
Patent, 1027a.
Medical uses of ink, 74, 159.
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Mercury chloride:
Patents, 1068, 1102.
Mercury iodide:
Patents, 1498, 1503.
Mercury sulphide:
Patent, 2099.
Metallic inks, 207, 678.
Patents, 753, 840, 878, 961, 1011, 1016, 1019, 1027, 1169, 1219, 1339, 1368–1370, 1376, 1380, 1382, 1384, 1397, 1416, 1898, 1943, 1944, 1948. *See also* Gold ink; Silver ink; Aluminium ink; Bronze ink.
Metals, Ink for. *See* Writing ink for metals; Printers' ink for metals.
Methyl salicylate:
Patent, 980.
Methylanthragallol, 43, 78.
Mica:
Patents, 1440, 1813.
Microscope (Color), 460. *See also* Pigments, Microscopy.
Microscopy, Ink in, 206.
Milk, Use in printers' ink:
Patent, 912.
Mimeograph ink. *See* Duplicating machine ink.
Mineral earth:
Patents, 1042, 1290, 1801.
Mineral oils:
Patents, 749, 826, 861, 862, 897, 932c, 962, 971, 973, 990, 998, 1013, 1095, 1104, 1110, 1158, 1287, 1338, 1375, 1423, 1456, 1458, 1480, 1484, 1566, 1818, 1832, 1847, 1851, 1864, 1868a, 1896, 1915, 1919, 1932, 1965, 1981, 2034, 2038–2040, 2073, 2106. *See also* names of oils, as Paraffin oil.
Mirbane:
Patents, 999, 1949.
Molasses:
Patents, 777, 1064, 1372, 1584, 1615, 1650, 1667, 1787, 1891, 2004.
Molybdates:
Patent, 1012.
Mordants, 57a.
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Moving picture films, Ink for:
Patent, 977a.

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Naphtha:
Patents, 918, 1131, 1282, 1307, 1351.
Napthoic acid:
Patent, 2096.
Nickel compounds:
Patents, 1154, 1321, 1397, 2013.
Nigrosin:
Patents, 887, 901, 956, 999, 1362, 1388, 1471, 1479, 1870, 1928.
Nitric acid:
Patents, 750, 772, 1361.
Non-corrosive ink, 28, 317, 420, 533.
Patents, 780, 816, 988a, 1066, 1097, 1128, 1442, 1536, 1571, 1603, 1604, 1618, 1705, 1972, 1997a, 2015.

## O

Oils, Drying of:
Patent, 1226.
Oils (Sulphated):
Patents, 919, 920, 948, 957, 964, 988d, 1015, 1487, 1515, 1737, 1846, 1903, 1924, 1925, 1946. *See also* Turkey-red oil.
Oleic acid and oleates:
Patents, 865, 887, 906a, 932d, 1340, 1341, 1597, 1734, 1745a, 1830, 1851, 1879.
Olive oil:
Patents, 825, 1745a, 1971.
Orcanin:
Patent, 2011.
Orchil:
Patents, 774, 1293.
Orthonitrophenylpropiolic acid:
Patent, 1245.
Ox-gall:
Patents, 758, 1436, 1474, 1545, 1821.
Oxalic acid and oxalates:
Patents, 807, 870, 879, 902, 956, 977, 987, 1012, 1176, 1237, 1343, 1533, 1575, 2025, 2126.
Oxymethyl compounds, 44, 92.
Oyster shells (ground):
Patents, 967, 973a.
Ozone:
Patent, 990a.

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Palm oil:
Patent, 854.
Paper, Relation of ink to, 204, 224, 226, 289, 290, 324, 349, 378, 401, 465, 530, 660, 700, 722.
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Paper (Metal surface):
Patent, 840.
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Paraffin:
Patents, 906, 918a, 1027a, 1298, 1509, 1543, 1814, 1817, 1820, 2005.
Paraffin oil:
Patents, 1261, 1771, 1774.
Paste and concentrated ink, 222, 307.
Patents, 805, 1025, 1668, 1671, 1678, 1712, 1854a, 1942, 2003, 2017.
Peat:
Patents, 1208, 1511, 1517, 1544, 1746, 1850, 2053.
Petroleum. *See* Mineral oils.
Petroline wax:
Patent, 749.
Pharmacists' ink, 570.
Phenol. *See* Carbolic acid.
Phosphoric acid and phosphates:
Patents, 937, 996, 1004, 1024, 1099, 1101, 1606, 1751, 1867, 1941, 1950, 1961, 1997.
Phosphorous printing composition for match boxes:
Patent, 982a.
Photographic plate, Action of ink on, 166.
Photographic tests, 579, 652.
Photo-mechanical process ink, 627, 705.
Patents, 1315, 1394, 1422, 1506.
Pigments, Effect of light. *See* Light, Effect of pigments.
Pigments, Microscopy, 342. *See also* Microscope (Color).
Pigments, Tariff, 136.

Pigments and colors, Manufacture, 161, 640.
Patents, 729, 731, 764, 841, 909, 924, 953, 955, 970c, 975a, 1014, 1044, 1055, 1080, 1116, 1144, 1185, 1194, 1304, 1351, 1423, 1460, 1462, 1465, 1504, 1511, 1513, 1519, 1527, 1638, 1813, 1850, 1865, 1869, 1876, 1878, 1883–1885, 1896, 1902, 1951, 1952, 2038, 2044, 2045, 2065, 2084, 2092. *See also* Carbon black and lampblack; Color and color harmony.
Pilewort juice:
Patent, 1360.
Pine bark:
Patent, 2054.
Pistache extract:
Patent, 1752.
Plaster of paris:
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Patents, 1573, 1780, 2025.
Writing ink (Copying), 11, 19, 51, 54, 101, 122, 124, 124a, 138, 142, 177, 222, 307, 344, 389, 419–421, 439, 463, 590, 592, 641, 646, 647, 650.
Patents, 742, 765, 805, 807, 809, 895, 901a, 1008, 1034, 1037, 1039, 1041, 1050, 1068, 1077, 1079, 1081, 1082, 1094, 1102, 1127, 1128, 1143, 1145, 1181, 1192, 1199, 1206, 1215, 1220, 1231, 1242, 1257, 1259, 1277, 1281, 1288, 1289, 1317, 1334, 1336, 1337, 1344, 1347, 1429, 1433, 1445, 1452,

Writing ink (Copying) — Patents, *continued:*
1464, 1479, 1494a, 1571, 1583, 1605, 1628, 1640, 1645, 1650, 1672, 1674, 1677, 1681, 1690, 1696, 1714, 1719a, 1721, 1725, 1728, 1730, 1743, 1908, 1910, 1964, 1977, 1978, 2004, 2014, 2018, 2019, 2035, 2042, 2043, 2088, 2097. *See also* Transfer ink; Duplicating machine ink.
Testing, 559, 560.
Writing ink (Dichroic), 307.
Writing ink (Disappearing), 117.
Writing ink (English), Tests, 416.
Writing ink (Green):
Patent, 1980.
Writing ink (Indelible), 55, 68, 127, 222, 307, 368, 419, 439, 498, 569, 574, 590, 653.
Patents, 733, 776, 781, 801, 828, 830, 853, 863, 866, 898, 950a, 976, 980, 1012, 1045, 1097, 1103, 1173, 1182, 1214, 1228, 1276, 1277, 1294, 1310, 1313, 1400, 1532, 1558, 1563–1565, 1569, 1572, 1580, 1587, 1590, 1591, 1596, 1601, 1653, 1679, 1693, 1698, 1709, 1733, 1761, 1863, 1933, 1979, 1994, 2008, 2015, 2021, 2030, 2057, 2088.
Writing ink (Quick drying):
Patents, 1272, 1404, 1500, 1721, 1738.
Writing ink (Red), 14, 77, 307, 340, 341.
Patents, 746, 1117, 1120, 1631, 1664, 1980.
Writing ink (Safety), 344, 421, 428, 439, 628.
Patents, 898, 904, 956, 977, 1109, 1112, 1118, 1157, 1161a, 1278, 1343, 1533, 1568, 1578, 1595, 1666, 1676, 1909, 1934, 1953, 1975.
Writing ink (Violet):
Patents. 863, 1198, 1593, 1631, 1999.
Writing ink (Waterproof), 675.
Patents, 956, 1003, 1168, 1471.
Writing ink (White):
Patents, 1620, 1662, 1858, 2122.
Writing ink for celluloid:
Patent, 1362.
Writing ink for ivory:
Patent, 1831.
Writing ink for metals, 590.
Patents, 1003, 1877, 1968.
Writing ink for parchment:
Patent, 1831.
Writing ink for waxed paper:
Patent, 1831.
Writing ink for wood:
Patent, 1466.
Writing surface (Delible):
Patent, 1031.

## X

X-rays, Ink for:
Patents, 1395, 1407.

## Y

Yeast:
Patent, 1492.

## Z

Zinc compounds:
Patents, 766, 823, 923a, 934, 952, 1009, 1246, 1254, 1330, 1342, 1470, 1491, 1858, 1889, 1972, 2122.

# INTERESTING RECENT ADDITIONS

## Art

**Berchem,** Marguerite van, and E. Clouzot. Mosaïques chrétiennes du IVme au Xme siècle. Dessins de Marcelle van Berchem. Genève [: "Journal de Genève"], 1924. lxii, 253 p. illus. 4°. **† MLO**

**Bles,** Joseph. Rare English glasses of the XVII & XVIII centuries. London: G. Bles [1924]. 4 p.l., 11–269 p., 1 l., 100 mounted pl. illus. f°. **†MPW**

**Boucher,** François. Les enseignes de Paris; gravées à l'eau-forte par Jean-Jules Dufour, commentées par François Boucher ... Paris: Le Goupy [1924]. xi, 14–52 p. illus. 4°. **MLW**

**Brackett,** Oliver. Thomas Chippendale; a study of his life, work and influence, with numerous illustrations selected to show the development of his style. London: Hodder and Stoughton, Ltd. [1924.] 2 p.l., v–xiii, 281(1) p. illus. 4°. **MOF**

**British Museum.** — Department of Egyptian and Assyrian Antiquities. A guide to the pottery & porcelain of the Far East in the Department of Ceramics and Ethnography... [London:] Printed by order of the Trustees, 1924. 168 p. illus. 8°. **MPF**

**Burlington Fine Arts Club,** London. Catalogue of a collection of counterfeits, imitations and copies of works of art. London: Privately printed, 1924. 120 p., 55 pl. f°. **† MAAZ**

**Cannon,** T. G. Old Spode... New York: F. A. Stokes Co. [1924.] x, 82 p., 57 l., 56 pl. illus. 8°. **MPGO**

**Colas,** Louis. L'habitation basque. Paris: C. Massin & Cie [1924]. 7 p., 44 pl. illus. f°. (Collection de l'art régional en France.) **† MRGK**

**Duchamp-Villon,** Raymond. Raymond Duchamp-Villon, sculpteur (1876–1918)... Paris [:P. Jacques], 1924. 85 p. illus. 4°. **MGO**

**Dugas,** Charles. La céramique grecque. Avec 92 illustrations. Paris: Payot, 1924. 158 p., 4 pl. illus. 16°. **MPEK**

**Elwood,** Philip Homer, editor. American landscape architecture. New York: The Architectural Book Publishing Co., Inc. [cop. 1924.] xx, 194 p. illus. f°. **† MSK**

**Forestier,** Jean C. N. Gardena; a notebook of plans and sketches, translated from the French by Helen Morgenthau Fox. New York, London: C. Scribner's Sons, 1924. x p., 1 l., 237 p. illus. f°. **† MSK**

**Heard,** Gerald. Narcissus; an anatomy of clothes. London: K. Paul, Trench, Trubner & Co., Ltd., 1924. 156 p. illus. 16°. (To-day and to-morrow.) **MMC**

**Jackson,** Joseph Francis Ambrose. American colonial architecture, its origin & development... Philadelphia: David McKay Co. [cop. 1924.] viii, 228 p. illus. 12°. **MQWO**

**Jarry,** Paul. Les anciens châteaux de France: l'Île-de-France. Champlatreux, La Roche-Guyon, Maisons-Laffitte, Osny. Notices historiques et descriptives. [6. série.] Paris: F. Contet, 1924. [16] p., 40 pl. illus. f°. **†† MQWF**

**Keefe,** Charles S., editor. The American house; being a collection of illustrations & plans of the best country & suburban houses built in the United States during the last few years. New York: U. P. C. Book Company, Inc., 1924. 24 p., 8 l., 219 pl. on 111 l. f°. **† MRGK**

**Lanciani,** Rodolfo Amedeo. Wanderings through ancient Roman churches. Boston and New York: Houghton Mifflin Company, 1924. xvi p., 1 l., 325 p. illus. 8°. **MRBD**

**Le Clerc,** Léon. Le mobilier normand (ensemble & détails). Paris: C. Massin & Cie. [1924.] 9 p., 40 pl. f°. (Collection de l'art régional en France.) **MOF**

**Maurichéau-Beaupré,** Charles, and E. Hennet de Goutel. Le Château de Versailles et ses jardins. Paris: D. A. Longuet, 1924. 262 p., 5 l., 36 pl. on 33 l. 12°. **MQWF**

**Nardo,** Antonio di. Farm houses, small chateaux and country churches in France; with a preface by Paul P. Cret, photographs by C. D. Arnold and A. di Nardo. Cleveland, Ohio: J. H. Jansen, 1924. 173 p. illus. f°. **†† MQWF**

**Robertson,** Manning. Everyday architecture; a sequence of essays addressed to the public...with an introduction by H. R. Selley... London: T. F. Unwin, Ltd. [1924.] 175 p. illus. 8°. **MRG**

**Roche,** Odilon. Chinesische Moebel. Vierundfünfzig Lichtdrucktafeln nebst Vorwort und Register. Stuttgart: J. Hoffmann, 1924. 6 l., 54 pl. f°. **†MOF**

**Swoboda,** Karl M. Römische und romanische Paläste; eine architekturgeschichtliche Untersuchung. Wien: A. Schroll & Co., G.m.b.H., 1925. 279 p., 16 pl. on 8 l. 2. ed. illus. 4°. **MQM**

*Art, continued.*

**Weigall,** Arthur Edward Pearse Brome. Ancient Egyptian works of art... London: T. F. Unwin, Ltd. [1924.] xxii, 353 p. illus. 4°. **MAE**

**Winkler,** Friedrich. Die altniederlaendische Malerei; die Malerei in Belgien und Holland von 1400–1600. Berlin: Propyläen-Verlag, 1924. 412 p. illus. 4°. **MCG**

## Music

**Bachmann,** Alberto Abraham. An encyclopedia of the violin, written by Alberto Bachmann, with introduction by Eugene Ysaÿe; translated by Frederick H. Martens, edited by Albert E. Wier. New York: D. Appleton & Co., 1925. xiv p., 1 l., 470 p. illus. 8°. ***MKK**

**Barbeau,** Charles Marius, editor. Folk songs of French Canada, by Marius Barbeau and Edward Sapir. New Haven: Yale University Press, 1925. xxii, 216 p. 8°. ***MO**

"The present volume is the fifth work published by the Yale University Press on the Oliver Baty Cunningham Memorial Publication Fund."

**Bax,** Arnold Edward Trevor. A Celtic song-cycle. [London:] C. Avison, Ltd. [cop. 1906.] 29 p. f°. ***MP**

English words with music for 1 voice and piano acc.

**Bruneau,** Alfred. Romance pour cor (ou violoncelle ou alto) avec accompagnement d'orchestre ou de piano. Paris: J. Hamelle [ca. 1884]. 4 parts. f°. ****MYR-box**

Horn and piano in score, and horn, violoncello and viola parts.

With autograph of composer.

**Gay,** Joan. Cançons populars de Catalunya, armonisades per Joan Gay. Lletra catalana, traducció francesa, per L.E.A.R... Paris: H. Lemoine & Cie. [190–?] 69 p. f°. ***MO**

Catalan and French words with music for 1 voice with piano acc.

**Neuman,** George. De muzicale zangwyzen van het Boek der Psalmen, nevens de gezangen by de Hervormde Kerk van Nederland in gebruik; volgens de Nieuwe Dichtmaat en naar de tegenwoordige zingwyze ingericht; om te dienen zo wel voor de stem, als tot gebruik voor muzicale instrumenten. Alles t'samen gesteld en verrykt met een nieuw gecomponeerde bas, om te zingen en te speelen; door Georg Neuman. Amsterdam: J. J. Hummel [1776]. 10, iv p., 73 l., 16 p., 6 pl. 8°. ***MRA**

Dutch words with tunes with figured bass.

**Newman,** Ernest. A musical critic's holiday. New York: A. A. Knopf, 1925. xi, 330 p., 1 l. illus. 8°. ***MGD**

**Pellegrini,** Ferdinando. Six sonatas for the harpsichord with an accompaniment for a violin, composed by Sig^r. F. Pellegrino [sic!]. Opera 4th. London: R. Bremmer [1770?]. 33 p. f°. ***MYF**

Harpsichord and violin in score.

**Roger-Ducasee,** Jean Jules. Poème symphonique pour orchestre sur le nom de Gabriel Fauré... Partition d'orchestre... Paris: Durand & Cie. [cop. 1923.] 31 p. f°. ****MTA**

Full score.

**Rohozinski,** L. Suite brève pour flûte, alto et harpe. Paris: Éditions M. Senart, cop. 1923. 3 parts in 1 v. f°. ****MX**

Harp part in score and flute and viola parts.

**Scholes,** Percy Alfred. Crotchets; a few short musical notes. New York: Oxford University Press, 1924. viii, 292 p. illus. 12°. ***MGA**

**Smetana,** Bedřich. Dvě vdovy. Definitivni Smetanova úprava s recitativy z roku 1877. Klavírní výtah se zpěvy... V Praze: Umělecká Beseda, 1914. 7, 265 p. 4°. ***MS**

Vocal score. Bohemian words.

**South,** Robert. Musica incantans, sive Poema exprimens muicae vires, juvenem in insaniam adigentis, et musici inde periculm. Authore Roberto South... Oxonii: typis W. H. impensis G. West, 1667. 1 p. l., 19 p. 12°. ***MG p.v.8,no.7**

**Speyer,** Edward. Wilhelm Speyer, der Liederkompnist, 1790-1878; sein Leben und Verkehr mit seinen Zeitgenossen, dargestellt von seinem jüngsten Sohne Edward Speyer... München: Drei Masken Verlag, 1925. xiv, 453 p. illus. 4°. ***MEC**

**Torchi,** Luigi, editor. Eleganti canzoni ed arie italiane del secolo XVII. Saggi antichi ed inediti della musica vocale italiana, raccolti, annotati e transcritti per canto e pianoforte, da L. Torchi. Secondo antichi manoscritti o edizioni primitive, con basso continuo... Milano: G. Ricordi & C. [ca. 1894.] 65 p. f°. ***MP**

Italian words with music for 1 voice and piano acc., arranged from original basso-continuo.

**Varèse,** Edgar. Octandre...for flute, clarinet, oboe, bassoon, horn, trumpet, trombone and contra-bass. London: J. Curwen & Sons, Ltd., cop. 1924. 23 p. 4°. ***MX**

Score.

**Wood,** Charles, and G. R. Woodward, editors. The Cambridge carol-book; being fifty-two songs for Christmas, Easter, and other seasons. London: Society for Promoting Christian Knowledge [1924]. iv, 64 p. 8°. ***MRA**

English words with music for 4 voices.

**Zandonai,** Riccardo. I cavalieri di Ekebù; dramma lirico in 4 atti e 5 quadri. Libretto di Arturo Rossato da "La leggenda di Gösta Berling" di Selma Lagerlöf, musica di Riccardo Zandonai. Canto e pianoforte, riduzione di Maffeo Zanon... Milano: G. Ricordi & C. [1925.] 467 p., 1 port. 4°. ***MS**

Vocal score. Italian words.

## Economics, Sociology and Political Science

**Ackerman,** Saul Benton. Practice of workmen's compensation insurance. Chicago: The Spectator Co., 1925. 2 p.l., iii-vii, 196 p. 12°. **TDO**

**Baker,** Elizabeth Faulkner. Protective labor legislation, with special reference to women in the state of New York. New York: Columbia University, 1925. 467 p. 8°. (Columbia University studies in history, economics and public law. v. 116, no. 2.) **TB (Columbia)**

**Blum,** Solomon. Labor economics. New York: Henry Holt and Co. [cop. 1925.] 3 p.l., vii-ix p., 1 l., 3–579 p. 12°. **TDI**

**Brown,** Harry Gunnison. Three essays on the taxation of unearned incomes... Columbia, Mo.: Lucas Bros., 1925. x, 173 p. 2. ed. (rev. and enl.) 12°. **TIK**

**Burnett-Hurst,** Alexander Robert. Labour and housing in Bombay; a study in the economic conditions of the wage-earning classes in Bombay. With a foreword by Sir Stanley Reed... London: P. S. King & Son, Ltd., 1925. 3 p.l., v-xiv, 152 p. illus. map. 12°. **TDI**

**Carr-Saunders,** Alexander Morris. Population. London: Oxford University Press, 1925. 111 p., 1 port. diagrs., tables. 12°. (The world's manuals.) **SDK**

**Chablani,** H. L. Indian currency and exchange. London: Oxford University Press, 1925. vii, 184 p. 8°. **TF**

**Culbertson,** William Smith. International economic policies; a survey of the economics of diplomacy. New York: D. Appleton and Co., 1925. 5 p.l., vii-xviii p., 1 l., 575 p. 12°. **TLB**

**Darling,** Malcolm Lyall. The Punjab peasant in prosperity and debt...with a foreword, by Sir Edward Maclagan... London: H. Milford, 1925. xxii, 298 p. illus. tables. 8°. **TDK**

**Dean,** A. F. The philosophy of fire insurance, being a compilation of the writings of A. F. Dean, edited by W. R. Townley. Chicago: E. B. Hatch, 1925. 3 v. graphs. 8°. **SII**

**Dilnot,** George. Celebrated crimes. London: S. Paul & Co., Ltd. [1925.] 255 p., 1 port. 8°. **SLG**

**Dunlap,** Knight. Social psychology. Baltimore: Williams & Wilkins Co., 1925. 261 p. 8°. **SB**

**Ellis,** Mabel Brown. The visiting teacher in Rochester; report of a study by Mabel Brown Ellis... New York: Joint Committee on Methods of Preventing Delinquency, 1925. 205 p. 8°. (Joint Committee on Methods of Preventing Delinquency. Publications. no. 6.) **SLA (Joint)**

**Geary,** Frank. Land tenure and unemployment. Preface by A. S. Comyns Carr ... London: George Allen & Unwin, Ltd. [1925.] 256 p. 8°. **TDH**

**Goepel,** Otto. Essen; montanindustrielle Entwicklung und Aufbau der Ruhr-Emscher-Stadt. Essen: G. D. Baedeker, 1925. xv, 119 p. maps. 4°. **TAH**

**Graf,** Georg Engelbert. Erdoel, Erdölkapitalismus und Erdölpolitik. Jena: Urania-Verlags-Gesellschaft m.b.H. [1924.] 95 p. illus. diagrs., tables. 8°. **TAK**

**Griffiss,** Bartow. The New York call money market... New York: The Ronald Press Company [cop. 1925]. 1 p.l., iii-viii, 120 p. tables. 12°. **TG**

**Guermeur,** Paul. L'assurance contre les accidents du travail; guide pratique. Paris: A. Rousseau, 1924. xx, 464 p. tables. 8°. **TDO**

**Herschel,** Arthur Hobart. The selection and care of sound investments. New York: H W. Wilson Co., 1925. 2 p.l., v-xxiii, 373 p. tables. 8°. **TG**

**Hills,** John Waller. The finance of government, by John Waller Hills...assisted by Dorothea Cotter Morison. London: P. Allan & Co. [1925.] 194 p. table. 12°. (The Westminster library.) **TIF**

**Hirst,** Francis Wrigley. From Adam Smith to Philip Snowden; a history of free trade in Great Britain. London: T. F. Unwin, Ltd. [1925.] 88 p. 12°. **TK**

**Hodgen,** Margaret T. Workers' education in England & the United States. London: K. Paul, Trench, Trubner & Co., Ltd., 1925. xi, 312 p. tables. 8°. **TDI**

**Hollander,** Jacob Harry. Economic liberalism. New York: Abingdon Press [cop. 1925]. 5 p.l., 9–197 p. 12°. **TB**

**Howard,** Sidney Coe, and R. Dunn. The labor spy... New York: Republic Publishing Co., 1924. 4 p.l., 200 p. 12°. **TDI**

**Jones,** Wellington Downing, and D. S. Whittlesey. An introduction to economic geography. v. 1. Chicago: University of Chicago Press [cop. 1925]. 8°. **TLB**

v. 1. Natural environment as related to economic life.

v. 2 will cover economic activities as related to environment.

**Juchacz,** Marie L., and J. Heyman. Die Arbeiterwohlfahrt; Voraussetzungen und Entwicklung. Berlin: J. W. Dietz [1924]. 236 p. 8°. **TDI**

**King,** O. Bolton. The employment and welfare of juveniles; a handbook for those interested in choice of employment and after-care. London: J. Murray [1925]. 244 p. diagrs. 12°. **TDL**

*Economics, Sociology, etc., continued.*

**Koettgen,** Carl. Das wirtschaftliche Amerika. Berlin: V.D.I. Verlag G.m.b. H., 1925. vii, 183 p. illus. tables, diagrs. 8°. **TAH**

**Lewisohn,** Sam A., and others. Can business prevent unemployment?... New York: Alfred A. Knopf, 1925. 4 p.l., 226 p. graph. 12°. **TDH**

**Luxemburg,** Rosa. Einführung in die Nationalökonomie; hrsg. von Paul Levi. Berlin: E. Laub, 1925. xi, 292 p. 8°. **TAH**

**MacBeth,** Roderick George. The romance of the Canadian Pacific Railway. Toronto: The Ryerson Press [cop. 1924]. 263 p. illus. 8°. **TPT**

**McClintock,** Miller. Street traffic control. New York: McGraw-Hill Book Co., Inc., 1925. 4 p.l., vii-xi, 233 p. illus. 12°. **TO**

**McDougall,** F. L. Sheltered markets; a study of the value of empire trade, with a preface by the Rt. Hon. Sir Robert Horne ... London: J. Murray, 1925. x, 147 p. diagrs., tables. 12°. **TLH**

**Major,** Frederick Lee. The duties, responsibilities and liabilities of bank directors... New York: The Macmillan Company, 1925. 3 p.l., vii-xi, 191 p. forms. 12°. **THD**

**Malmain,** Michel. Les relations commerciales franco-belges de 1913 à 1923... Paris: Les Presses universitaires de France, 1925. 482 p. 8°. **TLH**

**Marriott,** Hugh Frederick. Money & mines; the administration, organisation and economics of precious and non-ferrous metal mines. London: E. Benn, Ltd., 1925. 270 p. tables. 8°. **TAK**

**Merriam,** Charles Edward. New aspects of politics. Chicago, Ill.: University of Chicago Press [cop. 1925]. 2 p.l., v-xvii, 253 p. 12°. **SEB**

**Mills,** Stephen. Taxation in Australia. London: Macmillan and Co., Ltd., 1925. viii, 278 p. tables. 8°. **TIN**

**National Consumers' League.** State minimum wage laws in practice [by] Felix Frankfurter, Mary W. Dawson, and John R. Commons. [New York:] National Consumers' League [1924]. 4 p.l., 179 p. 8°. **TDD**

**National Industrial Conference Board.** The employment of young persons in the United States. New York: National Industrial Conference Board, Inc., 1925. 3 p.l., iii-viii, 150 p. diagrs. 8°. **TDL**

**Nussbaum,** Arthur. Das Geld in Theorie und Praxis des deutschen und ausländischen Rechts. Tübingen: J. C. B. Mohr, 1925. xv, 278 p. 8°. **TF**

**Otis,** Arthur Sinton. Statistical method in educational measurement. Yonkers-on-Hudson, N. Y.: World Book Co., 1925. 1 p.l., iii-xi, 337 p. diagrs., tables. 12°. **STB**

**Philip,** George, and T. S. Sheldrake, editors. The Chamber of Commerce atlas; issued under the auspices of the Association of British Chambers of Commerce; a systematic survey of the world's trade, economic resources & communications, specially prepared for The Times Trade and engineering supplement, edited by George Philip...and T. Swinborne Sheldrake. London: G. Philip & Son, Ltd., 1925. xv, 112, 112a, 33 p. diagrs., maps. tables. f°. † **TLB**

**Purdom,** Charles Benjamin. The building of satellite towns; a contribution to the study of town development and regional planning. London: J. M. Dent & Sons, Ltd., 1925. xv, 368 p. illus. 4°. **SER**

**Ramachandra Rau,** B. Present-day banking in India. [Calcutta:] University of Calcutta, 1925. xi, 311 p. diagrs., tables. 2. ed. rev. and enl. 8°. **THI**

**Riedel,** Johannes, editor. Arbeitskunde; Grundlagen, Bedingungen und Ziele der wirtschaftlichen Arbeit, unter Mitwirkung von O. Biener, A. Bloss [und andern] hrsg. von Johannes Riedel; mit 35 Abbildungen im Text und auf 2 Tafeln. Leipzig: B. G. Teubner, 1925. 1 p.l., (i) iv-v, 364 p. 8°. **TD**

**Rockow,** Lewis. Contemporary political thought in England. London: L. Parsons [1925]. 335 p. 8°. **SE**

**Russell,** Dora Winifred Black. Hypatia; or, Woman and knowledge, by Dora Russell (Mrs. Bertrand Russell). London: K. Paul, Trench, Trubner & Co., Ltd. [1925.] 81 p., 1 pl. 16°. (To-day and to-morrow series.) **SNF**

**Sarter,** Adolf, and T. Kittel. Die neue deutsche Reichsbahn-Gesellschaft; ihr Aufbau und ihr Wirken; auf Grund der Bestimmungen des Reichsbahngesetzes vom 30. August 1924, der Gesellschaftssatzung, des Reichsbahn-Personalgesetzes und aus der geschäftlichen Praxis heraus, dargestellt von Dr. Adolf Sarter... und Dr. Theodor Kittel... Berlin: O. Stollberg & Co. [pref. 1924.] 327 p. 8°. **TPQ**

With text of law in English.

**Sayles,** Mary Buell. The problem child in school; narratives from case records of visiting teachers; with a description of the purpose and scope of visiting teacher work, by Howard W. Nudd. New York: Joint Committee on Methods of Preventing Delinquency, 1925. 287 p. 8°. (Joint Committee on Methods of Preventing Delinquency. Publications. no. 4.) **SLA (Joint)**

*Economics, Sociology, etc., continued.*

**Schullern zu Schrattenhofen,** Hermann, Ritter von. Agrarpolitik. Jena: G. Fischer, 1924. viii, 448 p. tables. 8°. (Grundrisse zum Studium der Nationalökonomie. Bd. 10.) **TB (Grundrisse)**

**Shadwell,** Arthur. The socialist movement, 1824–1924; its origin and meaning, progress and prospects. London: P. Allen & Co. [1925.] 2 v. 12°. (The Westminster library.) **SF**

**Shah,** Naginchand J. History of Indian tariffs...with a foreword by Sir Purshotamdas Thakurdas... Bombay: Thacker & Company, Ltd., 1924. xix, 433 p. 8°. **TIY**

**Sutherland,** Halliday Gibson. Birth control exposed. [London:] C. Palmer [cop. 1925]. 255 p. diagrs., tables. 12°. **SDK**

**Tawney,** Richard Henry. The British labor movement. New Haven: Institute of Politics, 1925. 189 p. 8°. (Institute of Politics, Williams College. Publications.) **SFC**

**Weston,** William Jayne. World industry and commerce; a study of the natural conditions affecting the work of man (being the second part of "Complete economic and commercial geography"). London: Nisbet & Co., Ltd. [1925.] 129–304 p. illus. 12°. **TLB**

**Wherry,** William Mackey. Public utilities and the law. New York: Writers Pub. Co., Inc., 1925. 2 p.l., v-xi, 337 p. 12°. **TNG**

**Withers,** Hartley. The case for capitalism. London: E. Nash and Grayson, Ltd. [1925.] ix, 11–277 p. 12°. **TDC**

New edition, with added chapter on the capital levy.

**Wright,** Henry Wilkes. The moral standards of democracy. New York: D. Appleton and Co., 1925. 2 p.l., v–ix p., 1 l., 309 p. 12°. **SB**

**Young,** Benjamin Franklin. Statistics as applied in business. New York: Roland Press Co. [cop. 1925.] 1 p.l., iii-xii, 639 p. diagrs. 8°. **SDC**

## Industries and Industrial Arts

**American Petroleum Institute.** American petroleum supply and demand. A report to the Board of Directors by a committee of eleven members of the Board. New York: McGraw-Hill Book Company, Inc., 1925. xiii, 269 p. 8°. $3.00. **VHY (117)**

Careful estimates by experts of our oil resources from wells, shale, coal, and lignite; also of the probable demands for the next fifty years. Prospecting and recovery methods are described and there are statistics and tables.

Reviewed in *Motorship,* Sept., 1925; *Oil age,* Sept., 1925; *Engineering news-record,* Aug. 20, 1925; *Natural gas,* Sept., 1925.

**Blake,** Ernest G. Roof coverings, their manufacture and application...with 144 illustrations. London: Chapman and Hall, 1925. 264 p. 8°. 10s. 6d. **VEK (121)**

"The origin and nature of the materials, and the processes by which they are converted into a suitable condition for their specific purpose, are given, and the methods that are usually adopted in fixing them on the roof are clearly explained, so that a little knowledge of the subject, combined with a fair amount of ordinary intelligence, should be sufficient to enable one to obtain a reasonable grasp of the subject, and to judge as to the most suitable steps to be taken for any particular building. In most cases the present cost [British] of the articles is given." — *Preface.*

Reviewed in *Surveyor,* July 17, 1925.

***Courant,** Richard, and David Hilbert. Methoden der mathematischen Physik. Bd. 1. Berlin: Julius Springer, 1924. xiii, 450 p. diagrs. 8°. (Die Grundlehren der mathematischen Wissenschaften. Bd. 12.) paper, 22.50 mks.; bound 24 mks. **PAE (117)**

"Centers around one single problem, the oscillation problem, with its mathematical equivalents, the boundary value and expansion problems... In spite of its restricted scope, is rich in material and in points of view which are either novel or little known." — *Einar Hille in Bulletin of the American Mathematical Society, Oct., 1925.*

**Drover,** F. J. Marine engineering repairs, including adjustments and maintenance. London: Chapman and Hall, 1925. 235 p. 8°. 9s. 6d. **VXHG (121)**

Author is a captain in the British Navy. A complete handbook of maintenance and repair including turbine and steam reciprocating engines, auxiliary and boat's machinery, boilers, hull and underwater fittings, with a chapter on docking and undocking.

Reviewed in *Marine engineer and motorship builder,* July, 1925; *Shipbuilding and shipping record,* Aug. 13, 1925; *Marine engineering and shipping age,* Aug., 1925.

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Complete survey of the periodical and patent records of the subject. Covers the nature and sources of the light, the various kinds of lamps, protective glasses and filters, reactions of gases, photo-chemical and photolytic reactions, effect on halogenation reactions, photosynthesis, sterilization, biologic effects and therapeutic applications, and miscellaneous applications.

***Escard,** Jean. Les fours électriques industriels et les fabrications électrothermiques... Paris: Dunod, 1924. viii, 674 p. 2. ed. illus. 8°. 80 fr. **VIG (117)**

Up-to-date, including researches of this eminent author. Deals with the various types of apparatus and their installation, the manufacture and selection of electrodes, the extraction of metals, the electrometallurgy of zinc, of aluminium, of steel, of alloys, and of carborundum; the production of synthetic nitrogen, fused quartz, and various other substances. Amply illustrated with line drawings of apparatus and with photomicrographs.

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Details of construction and working of apparatus of various types used in laboratories and works; including a chapter on economies of operation, as well as on the precautions to safeguard the lives and health of employees.

*Industries and Industrial Arts, continued.*

**Great Britain.** — Air Ministry. A manual of rigging for aircraft. London: His Majesty's Stationery Office, 1925. iv, 120 p. illus. diagrs. 8°. (Air publication 1107.) 2s. **VDY (121)**

Explains the principles of flight and describes briefly (with scale drawings) several types of machines, with details of the rigger's equipment and his duties, as well as directions for "truing up." Copiously illustrated.

**Lanphier,** R. C. Electric meter history and progress. Springfield, Illinois: Sangamo Electric Company, 1925. 78 p. illus. 8°. **VGK (121)**

A well-illustrated record of development, with special reference to the company's products.

***Lebeau,** P., and others. Fours électriques et chimie, publié sous la direction de P. Lebeau, avec la collaboration de MM. C. Bedel, A. Damiens, P. Fleury, P. Jolibois, M. Picon, G. Ribaud, and H. Weiss. Paris: Les Presses universitaires de France, 1924, xii, 584 p. illus. 8°. 60 fr. **VIG (117)**

Unlike Escard's recent book does not emphasize the industrial side, but describes in detail the various types of furnaces and their variations, and recounts the rôles they have played in chemical research. Carefully illustrated and provided with numerous references. Published under the auspices of the Edmond de Rothschild Foundation.

Reviewed in *Nature,* Sept. 19, 1925.

**Merrill,** Gilbert R., and others. Warp knitting and glove manufacture, compiled principally from articles in Textile world by Gilbert R. Merrill, Edward Murden, and Joseph Rowan. New York: Bragdon, Lord & Nagle Co., 1925. 125 p. illus. 8°. $6.00. **VLD (121)**

"Part I describes the three principal types of warp knitting machines — Milanese, Tricot and Raschel — and discusses their operation. Part II describes the classes of fabrics made on warp knitting machines and the methods by which they are produced. Part III is devoted entirely to a description and discussion of knit glove manufacturing, including the making of the cloth, processing and glove manufacture." — *Foreword.*

***Noerlund,** Niels Erik. Vorlesungen über Differenzenrechnung. Berlin: Julius Springer, 1924. ix, 551 p. diagrs. 8°. **OIE (117)**

"This is the first book to develop the theory of the difference calculus from the function-theoretic point of view and to include a significant part of the recent researches having to do with the analytic and asymptotic character of the solutions of linear difference equations." — *R. D. Carmichael in Bulletin of the American Mathematical Society, Oct., 1925.*

**Pilkington,** Thomas. Time standardization of workshop operations; a means for securing equitable payment and lower production costs. London and New York: Sir Isaac Pitman & Sons, Ltd., 1925. x, 253 p. illus. 8°. 16s. **VFG (121)**

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***Pringsheim,** Hans. Zuckerchemie... unter Mitwirkung von Dr. Jesaia Leibowitz. Leipzig: Akademische Verlagsgesellschaft, 1925. x, 322 p. 8°. **PPK (119)**

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**Thayer,** Horace Holden. A pocket book of ship materials and their uses for the use of all interested in the design, construction, or operation of vessels of any description, or their machinery or equipment. New York: Simmons-Boardman Pub. Co., 1924. 386 p. 8°. $4.00. **VXH (121)**

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***Zsigmondy,** Richard. Kolloidchemie. Ein Lehrbuch. Part I. Leipzig: Otto Spamer, 1925. xii, 246 p. 5. rev. & enl. ed. illus. 8°. 11 g.m; 13.50 g.m. (bound) **PLD (119)**

Fifth revised edition of an authoritative work first published in 1912.

"There is only one achievement in the annals of science with which Zsigmondy's work can be compared, and that is Pasteur's researches on bacteriology. In either case the name of the man is inseparably linked with the science which he has created. The most striking feature of the present volume is the clarity of presentation of theory and the close adherence to the practical application which is never lost sight of." — *Glass industry, Sept., 1925.*

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**Hugo,** Victor Marie, comte.
...דער מענש וואס לאכט... ניו־יארק: פערלאג מאקס יאנקאוויץ.
New York: M. Yankowitz, 1920. 2 v. 12°. * PTW

**Ibn Migas,** Joseph.
...שאלות ותשובות... פעולת...יוסף הלוי ן' מיגש. שאלוניקי: בדפוס השותפים מרדכי גחמן ודוד ישראליג'ה [תרנ"א].
[Salonica: M. Nachman & D. Israeligo, 1791.] 36 f. f°. * PHY

**Illowy,** Bernard.
ספר מלחמות אלהים being the controversial letters and casuistic decisions of the late Rabbi Bernard Illowy, Ph.D., with a short history of his life and activities by his son, Henry Illowy... Berlin: M. Poppelauer, 1914. viii, 238 p., 1 port. 8°. * POS
In English, Hebrew and German.

**Isaac b. Samuel ha-Levi,** of Posen.
...שיח יצחק הכולל כל עניני דקדוק לשון הקדש...נתחבר...ע"י...יצחק בן ...שמואל הלוי... באזיליא.
Basle [1650?]. 68 l. 12°. * PCD

**Jonah b. Janach.**
ספר הרקמה. חברו בלשון ערבי...יונה מרון אבן גנאח ומתורגם עברית מאת... יהודה אבן תבון. הוצאתיו עתה לאור... אני דוב גאלדבערג. מתוקן ומוגה...על ידי רפאל בן שמעון קירכהיים. ונספחו אליו הערות והוספות מאת...יצחק בעער... ועוד...חקירות והשגות מאת...שמואל דוד לוצאטו... פראנקפורט, תרי"ו.
[Francfort sur le Mein, 1856.] 10 l., xiv, 252 p. 8°. * PCD

**Judah ha-Levi.**
...הכוזרי... חברו בלשון ערבי, יהודה הלוי והעתיק אותו לשפת עברי, ר' יהודה בן תבון...יצא לאור עם הוספות...פעל ועשה דוד סלוצקי.
Warschau[: Druk von F. Baumritter i. I. Rothblatt], 1866. 2 parts in 1 v. 16°. (ספרי חכמת ישראל, ד'וה').
* PPM

**Karp,** Max.
שירים חדשים בארץ חדשה ענטהאל־טענד יודע אונד אנטיסעמיט, אונד אנדערע דיכטונגען, ערנסטען אונד הומאריסטישען אינהאלטעס, פאן מאקס קארפ. נויארק.
New York: The author [1887]. 65 p. 12°. * PTN

**Kimchi,** Dob-Baer.
...מעברות. רומן. ורשה: הוצאת אברהם יוסף שטיבל, תרפ"ג.
Warsaw: Stybel Pub. Co. [1923.] 230 p. 8°. * PSI

**Klaczko,** Levi Jerahmeel.
הלכה למעשה. הליכות שפת עבר ומשפ־טיה...בשטה חדשה ומתאמת ללשון רוס־סית. ע"י לוי ירחמיאל קליאצקא. ווארשא: הוצאת נ. ג. זאקס, תרמ"ג.
Warsaw: N. G. Sachs, 1883. 216 p. 8°. * PCE

**Kosovski,** Chayyim Joshua.
...יד הלשון. חבור כולל כללי הדקדוק ...מאת חיים יהושע קאסאווסקי... ירו־שלם: בדפוס הרי"ד פרומקין, תרנ"ט.
Jerusalem: Printed by J. D. Frumkin, 1899. 124 p. 24°. * PCD

**Lonzano,** Abraham b. Raphael de.
...קנין אברהם...אשר חיבר...אברהם בן...רפאל...די לונזאנו...חלק ראשון ... זאלקווין, תפ"ג.
Zolkiev, 1723. 32 l. 16°. * PCD

*Hebraica, Judaica, etc., continued.*

**London,** Jack.
לפני היות האדם. מאת דז'ק לונדון. תרגם מאנגלית ש. הלקין. ורשה: הוצאת אברהם יוסף שטיבל, תרפ"א.
Warsaw: Stybel Pub. Co [1921.] 120 p. 8°. **PSN**

**Menachem b. Saruk.**
מחברת מנחם. הוא ספר הראשון אשר חובר על שרשי...לשון הקודש...מאת... מנחם בן סרוק הספרדי...נדפס עתה ראשונה לפי חמש העתקות שונות חנמ־צאות בכ"י...ונוספו בו מקומות המקראות גם פירוש קצר המבאר...מאת...צבי בן יחזקאל פיליפאווסקי...בראש הספר... הקדמה כוללת תולדות המחבר וחקירות... אשר חקרו...שמואל דוד לוצאטו...ור' יששכר בער בלומענפעלד... לונדון: חברת מעוררי ישנים, תרי"ד.
London: Printed by H. Filipowski, 1854. xiii, 33, 192, 19, 13–16 p. 8°. *** PCD**

**Moses b. Chabib.**
נבחר מעושר רב מרפא לשון, מכסף ומזהב דרכי נועם, הם שני חבורים...יצרם ...בקיצור נפלא, החכם...מהר"ר משה ן' חביב. ויניציאה: נדפס בבית דניאל בומ־בירגי, רנג"ו.
Venice: Printed by Daniel Bomberg, 1546. 26 l. 24°. **** P**

**Nachmanides,** Moses.
...לקוטות הרמב"ן...[חדושי ברכות, תענית, מגילה, חגיגה, פסחים, ר"ה, יומא, סוכה, מ"ק, עירובין, שבועות.] שאלוניקי: בדפוס השותפים מרדכי נחמן ודוד ישראל־ליג'ה, תקנ"א.
[Salonica: M. Nachman & D. Israeligo, 1791.] 57 f. f°. *** PHY**

**Naumberg,** Hirsch David.
...דאס בוך פעליעטאנען. ווארשע: ש. יאטשקאווסקי.
Warsaw: Sz. Jaczkowski, 1924. 349 p., 1 port. 8°. *** PTV**

**Oliveyra,** Solomon de.
...שרשת גבלת. יצב גבולות חרוזי השרשים מקבילים איש אל אחיו...עם משפט המדה במשקל ומשורת השירים על תולדותם...מעשה...שלמה די אוליוירה. אמשטרדם: נדפס בבית דוד די קאשטרו תארטס, תכ"ח.
Amsterdam: David de Castro Tartas, 1665. 72 l. 24°. *** PCI**

**Oliveyra,** Solomon de.
...אילת אהבים...אגרת אוגרת דברי אמת להבין משל ומליצה. הכינה וגם חקרה...שלמה די אוליוירה... אמשטר־דם: בבית דוד די קאשטרו תארטס, תכ"ח.
Amsterdam: David de Castro Tartas, 1665. 42 l. 24°. *** PCI**

**Pergamenter,** Solomon, of Bruenn.
יסודי הלשון. אדער דיא קונסט דקדוק לה"ק...איין יידיש דייטשעס האנדבוך... פאן שלמה פערגאמענטר מברין. ווין, תקע"ג.
Wien, 1813. 80 l. 12°. *** PCD**

**Polak,** Meir b. Gabriel.
...מאיר נתיב הלשון. כולל כל חכמת הדקדוק...הובא לבית הדפוס ע"י המחבר מאיר ב"ה גבריאל פאלק. אמשטרדם: בבית ובדפוס דוד פרופס, תקע"ב־תקע"ח.
Amsterdam: David Proops, 1812–18. 2 v. in 1. 12°. *** PCD**
v. 2 incomplete.

**Reichersohn,** Moses.
...חלקת הנקוד...כולל כללי הנקוד... עם הערות מאירות נתיב בדקדוק לשוננו ...מאת משה הכהן רייכערסאהן. ווילנא: בדפוס פין וראזענקראנץ, תרכ"ד.
Wilna: Printed by Fuenn & Rosenkranz, 1864. 154 p. 8°. *** PCF**

**Rosenberg,** Moses Isaac.
צפור נדדת...מאת משה יצחק...רא־זענבערג... זיטאמיר: דפוס יצחק משה באקשט, תרכט.
Zhitomir: I. M. Bakst, 1868. 2 parts in 1 v. 12°. *** PSI**

**Saadiah,** gaon.
תרגום ערבי Targum Arvi. Die arabische Interpretation des Pentateuch. von Rabbi Saadia Hagaon. Ein

*Hebraica, Judaica, etc., continued.*

Auszug aus einer in der Grossh. Badischen Hof- und Landesbibliothek zu Karlsruhe befindlichen Edition einer authentischen Handschrift. Ins Deutsche übertragen und commentirt, von Rab. J. Schwarzstein... Genesis. Frankfurt a/M.: A. J. Hofmann, 1886. 82, viii p. 8°. *** PDV**

**Schiffmann,** Phinehas, compiler.

...בכורים. חריסטומטיה ספרותית־חנוכית למקרא ולמוד בשביל בני הנעורים. נועדה למחלקות העליונות שבבתי הספר והחדרים. וילנה: בדפוס והוצאת רוזנקרנץ ושריפטזטציר, תרע"א.

Wilna: A. G. Rosenkrantz and M. Schriftsetzer, 1911. 983 p. 4°. *** PCB**

**Segalowitsch,** Sussman.

...דאס אנארכיסטישע מיידל. II. באנד פון דער טרילאגיע. זעליקס יארן. ווארשע: [פערלאג ח. בזשאָזא.]

Warsaw: Ch. Brzoza, 1925. 348 p. 8°. (אלע ווערק. עלפטער באנד.) *** PTR**

**Segalowitsch,** Sussman.

...אייביק איינזאם. I. פון דער טרילאגיע זעליקס יאָרן. ווארשע: [פארלאג ש. יאטשקאָווסקי].

Warsaw: Sz. Jaczkowski, 1924. 320 p. 8°. (אלע ווערק. צענטער באנד.) *** PTR**

**Silberbusch,** David Isaiah.

...כתבים נבחרים. וינה: הוצאת „חובבי הספרות," תר"פ.

Wien: Verlag "Literaturfreunde," 1920. 8°. *** PSI**

**Simchah Aryeh b. Ephraim Fischel.**

...מי מלא. והוא חלק ראשון מספר השרשים עפ"י הדרך החדשה אשר נתן ה' בלב...שמחה אריה הלוי יכנה הקטן מהרובשוב...הובא לבית הדפוס בהוצאת המחבר... ווארשויא: בדפוס דוד שקלאווער, תקצ"ט.

Warszawie: Drukarni D. L. Sklower, 1839. 44 l. 8°. *** PCG**

**Suttner,** Bertha Felicie Sophie Kinsky, Freifrau von.

...ניעדער מיט די וואפען (אן אנטי־מיליטאריסטישער ראמאן). פון בארענעסע בערטהא זוטנער. איבערזעצט פון ש. יאנאווסקי. [ניו יארק:] פערלאג „פרייע ארבייטער שטימע."

[New York:] "Freie Arbeiter Stimme" [191–?]. 496 p. 8°. *** PTW**

**Suttner,** Bertha Felicie Sophie Kinsky, Freifrau von.

...מארטא'ס קינדער. (אנטי־מיליטאריסטישער ראמאן.) פון בארענעסע בערטהא זוטנער. איבערזעצט פון ש. יאנאווסקי. [ניו יארק:] פערלאג „פרייע ארבייטער שטימע."

New York: "Freie Arbeiter Stimme" [191–?]. 398 p. 8°. *** PTW**

**Tolstoi,** Lev Nikolayevich, graf.

אנה קרינינה. רומן בשמונה חלקים. מאת ל. נ. טולסטוי. תרגם י. א. טריווש ... ורשה: הוצאת אברהם יוסף שטיבל, תרפ"א־תרפ"ב.

Warsaw: Stybel Pub. Co. [1921–22.] 8 parts in 1 v. 8°. *** PSN**

**Vipper,** Robert Yur'yevich.

...געשיכטע פון מיטלעלטער פאר שולן און אליינבילדונג. איבערגעזעצט פון מאקס ווייגרייך. דרעזדען: פארלאג „וואסטאק."

Dresden: Verlag Wostok, 1921. 191, iv p. maps. 8°. *** PWF**

**Warschawsky,** Yakir.

...מעלות ומורדות. (ספורים וציורים.) ווארשה: הוצאת בית־מסחר ספרים „תל אביב" („אלטנייאלאנד").

Warsaw: "Tel-Aviv," 1925. 198 p. 8°. *** PSI**

**Yellin,** David.

לפי הטף. ספר להורות את ילדי ישראל לדבר עברית מבלי עזרת תרגומים. ספר המורה. מאת ד. ילין... מהדורה שניה...חלק ראשון... ורשה: הוצאת „תושיה," תרס"ז.

Warsaw: "Tuschijah," 1907. xxvi, 86 p. 8°. *** PCB**

## CIRCULATION STATISTICS FOR THE MONTH OF SEPTEMBER

| BRANCHES | CIRCULATION | | NEW REGISTRATIONS | VOLUMES ACCESSIONED |
|---|---|---|---|---|
| | HOME USE (VOLUMES) | READERS OF REFERENCE BOOKS | | |
| **MANHATTAN** | | | | |
| Central Building | 48,438 | --- | 1,375 | 1,040 |
| Children's Room | 2,168 | 1,897 | 54 | 87 |
| Extension Division | 36,592 | --- | 288 | 538 |
| Library for the Blind | 3,136 | --- | 10 | 169 |
| East Broadway, 33 | 7,482 | 666 | 61 | 45 |
| East Broadway, 192 | 20,267 | 2,253 | 279 | 469 |
| Rivington street, 61 | 14,115 | 629 | 165 | 178 |
| East Houston street, 388 | 15,015 | 2,304 | 198 | 196 |
| Leroy street, 66 | 7,806 | 606 | 69 | 52 |
| 8th street, 135 Second avenue | 11,577 | 795 | 104 | 74 |
| 10th street, 331 East | 17,285 | 1,155 | 274 | 80 |
| 13th street, 251 West | 8,595 | 1,075 | 102 | 76 |
| 23rd street, 228 East | 7,534 | 1,127 | 133 | 48 |
| 23rd street, 209 West | 7,683 | 718 | 143 | 38 |
| 36th street, 303 East | 7,206 | 788 | 81 | 122 |
| 40th street, 457 West | 7,622 | 360 | 149 | 73 |
| 50th street, 113 East | 5,000 | 407 | 38 | 54 |
| 51st street, 742 Tenth avenue | 8,844 | 377 | 129 | 56 |
| 58th street, 121 East | 10,492 | 800 | 176 | 292 |
| 67th street, 328 East | 11,349 | 1,089 | 128 | 101 |
| 69th street, 190 Amsterdam avenue | 9,042 | 740 | 162 | 101 |
| 77th street, 1465 Avenue A | 12,732 | 769 | 112 | 338 |
| 79th street, 222 East | 14,143 | 731 | 198 | 105 |
| 81st street, 444 Amsterdam avenue | 12,132 | 1,674 | 201 | 153 |
| 96th street, 112 East | 22,256 | 1,208 | 198 | 138 |
| 100th street, 206 West | 14,381 | 889 | 205 | 155 |
| 110th street, 174 East | 18,447 | 2,433 | 240 | 109 |
| 115th street, 203 West | 14,539 | 785 | 165 | 146 |
| 124th street, 9 West | 9,693 | 1,376 | 189 | 149 |
| 125th street, 224 East | 8,123 | 959 | 183 | 88 |
| 125th street, 518 West | 14,972 | 890 | 198 | 264 |
| 135th street, 103 West | 7,937 | 954 | 214 | 34 |
| 145th street, 503 West | 15,815 | 1,025 | 235 | 224 |
| St. Nicholas avenue, 1000 | 15,026 | 1,084 | 261 | 147 |
| 179th street, 535 West | 18,962 | 687 | 337 | 212 |
| **THE BRONX** | | | | |
| 140th street, 321 East | 15,083 | 1,403 | 176 | 232 |
| Morris avenue, 910 | 12,576 | 88 | 1,150 | 58 |
| 160th street, 761 East | 25,208 | 3,255 | 478 | 235 |
| 168th street, 78 West | 6,066 | 346 | 177 | 34 |
| 169th street, 610 East | 25,307 | 1,886 | 630 | 82 |
| 176th street and Washington avenue | 28,142 | 3,334 | 317 | 315 |
| Bainbridge avenue, 2556 | 24,450 | 1,683 | 461 | 430 |
| Kingsbridge avenue, 3041 | 3,565 | 249 | 51 | 28 |
| **RICHMOND** | | | | |
| St. George | 6,451 | 1,488 | 108 | 43 |
| Port Richmond | 8,148 | 470 | 142 | 86 |
| Stapleton | 6,166 | 263 | 67 | 94 |
| Tottenville | 4,106 | 201 | 116 | 117 |
| Totals | 631,674 | 47,916 | 10,927 | 7,905 |

* In addition 3,060 books were read at agencies of the Extension Division.

## PRINCIPAL DONORS IN SEPTEMBER, 1925

| | VOLS. | PMS. |
|---|---|---|
| Alabama Federation of Music Clubs | 1 | |
| American Jewish Physicians' Committee | 1 | |
| American Specification Institute | 1 | |
| American Tree Association | 3 | |
| Associazione Nazionale per gli Interessi del Mezzogiorno d'Italia | 1 | 16 |
| Baxter, Percival | 1 | |
| Bell Telephone Laboratories | | 8 |
| Bennett, Mary Elizabeth | 1 | |
| Betten, Francis S. | | 1 |
| Bill, Edward Lyman, Inc. | 1 | |
| Boshwitz, Max | 1 | |
| Boucher, William J. | | 20 |
| Boyd, Robert K. | | 1 |
| Bradley, Alex. | 1 | |
| Brazil. Rio Grande del Sul. Secretario de Estado dos Negocios das Obras Publicas | 19 | |
| Brazil. Servico Geologico e Mineralogico | 10 | 11 |
| Brooks Brothers | 64 | |
| Brown, Mrs. S. Joe | 1 | |
| Bulgaria. Bureau Général de la Statistique | 1 | 1 |
| Canada. Department of Agriculture. International Institute Branch | 2 | |
| Chandler, R. A. | 1 | 2 |
| Coleman, Arthur P. | | 1 |
| Commission for Relief in Belgium | 1 | |
| Copenhagen. Universitetsbiblioteket | 2 | 2 |
| Cuba. Secretaria de Estado | 3 | 1 |
| Czechoslovakia. Consulate General at New York | | 2 |
| Dabney, Mrs. S. H. | 1 | |
| Daily Worker Publishing Company | 3 | 17 |
| Daughters of Founders and Patriots of Nebraska | 1 | |
| Davison Publishing Company | 1 | |
| Deutsches Museum von Meisterwerken der Naturwissenschaft und Technik | 1 | |
| Dodge, Melvin Gilbert | | 1 |
| du Pont, Pierre S. | 2 | |
| Eaton, Dr. Paul | 2 | |
| Egypt. Minister of Finance | 1 | |
| Erving, H. W. | 1 | |
| Falk, H. J., Estate of (2 prints, 1 diascope) | | |
| Federated Malay States. Printing Department | 2 | |
| Gonzales, A. E. | 3 | |
| Goodyear, Miss Rosalie (3 periodicals, 1 sheet) | 1 | 8 |
| Gutenberg Museum | | 4 |
| Hall, Geo. W. | 1 | |
| Harris, Nathaniel Edwin | 1 | |
| Hatch, Edward B. | 3 | |
| Holleran, O. C. | 1 | |
| Howland, S. S., Estate of | 5 | 1 |
| Ingalls, Ralph | 20 | 87 |
| Italy. Biblioteca Nazionale Centrale Vittorio Emanuele | 15 | 1 |
| Italy. Ministero dell' Economia Nazionale | 238 | 5 |
| Jankowitz, M. | 1 | |
| Johnson, Helen Louise | | 1 |
| Ketcham, H. H. | 2 | |
| Lamont, Lieut. Col. William | | 1 |
| Landauer, Mrs. Bella C. | 1 | |
| Le Meilleur, Georges (3 prints) | | |
| Lemouche, Mlle. E. M. | 1 | |
| McCreery, Dr. Forbes R. | 30 | |
| Madagascar. The Governor General | 3 | |
| Marks, Harry F. | | 1 |
| Means, Charles E. | 1 | |
| Metropolitan Museum of Art | 2 | 1 |
| Mora, Jesus Saiz De La | 1 | |
| Murphy, Lawrence W. | 1 | |
| Musgrove, Mary D. | 1 | |
| Norton, William J. | 162 | 23 |
| Norway. Finance- og Tolldepartementet | 10 | 7 |
| Ogus, A. D. | 1 | |
| Ohio State Library | 2 | |
| Otis, Philo Adams | 1 | |
| Penfold, Saxby Vouler | 1 | |
| Perreau, Commandant | 1 | |
| Publishers Weekly (21 periodicals) | 160 | 154 |
| Putnam, Miss Elizabeth W. | 14 | 2 |
| Raymond, Prof. George Lansing | 9 | |
| Renard, (Charles) Corporation | 1 | |
| Roosevelt Memorial Association | 2 | |
| Rosebery Burns Club | 7 | |
| Schniewind, Ewald | | 19 |
| Schoolhouse, Chas., and Son | 5 | |
| Sethman, William G. | | 2 |
| Shachter, Rabbi J. | 1 | |
| Shatzki, Dr. Jacob | 52 | 64 |
| Simmons-Boardman Publishing Co. | 62 | |
| Smith, Mrs. George W. | 8 | |
| Stewart, Miss Luella | 11 | |
| Stout, Dr. Philip Samuel | 1 | |
| Throckmorton, Col. C. Wickliffe (3 charts) | | |
| Trevor, Mrs. William (16 photographs, 24 framed programs, 89 periodicals) | | |
| Upper Canada College | 1 | |
| Vargish, A. (1 print) | | |
| Vicenza, Italy, Consiglio Provinciale | 24 | |
| Vincent, Maxime | 2 | |
| Wilstach, Paul (32 photographs, 4 programs) | | |
| Worthan, Mrs. L. | 42 | 37 |
| Zuiderzeevereeniging | 2 | 3 |

# PUBLICATIONS OF THE NEW YORK PUBLIC LIBRARY

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| | PRICE |
|---|---|
| History of The New York Public Library, by H. M. Lydenberg. 1923 | $2.00 |
| Handbook of The New York Public Library | .25 |
| Facts for the Public | .05 |
| Central Building Guide | .05 |
| Questions About Your Library (General Information about the Library) | Free |
| For Sightseers. Central Building | Free |

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Annual Report of The New York Public Library. (A limited number are given free upon request.)

Bulletin of The New York Public Library. Published monthly. Chiefly devoted to the Reference Department. Bibliography, news of the Library, reprints of manuscripts, descriptions of new accessions. $1.00 a year; current single numbers for 10 cents. Back numbers at advanced rates.

Branch Library Book News. A selected list of new additions to the Circulation Department, with other lists and articles. Published monthly, except in July and August. For sale at the Branches and at the Inquiry Desk. 2 cents a copy; 25 cents a year, postpaid.

New Technical Books. A selected list of books on industrial arts and engineering, recently added to the Library. Published quarterly. 25 cents a year, postpaid.

Municipal Reference Library Notes. Published weekly except during July and August, for circulation among the officials and employees of the City of New York. Price: $2.00 a year; 5 cents a copy. Apply at Room 512, Municipal Building.

## LIST OF BOOKS IN THE LIBRARY RELATING TO VARIOUS TOPICS, TEXTS PRINTED FROM MANUSCRIPTS OWNED BY THE LIBRARY, ETC.

### REFERENCE DEPARTMENT

| | PRICE |
|---|---|
| Almanacs, A list of New York, 1694–1850. 1921 | 1.00 |
| American Interoceanic Canals. A list of references. 1916 | .30 |
| American-Romani Vocabulary, by Albert Thomas Sinclair. 1915. | .05 |
| Armenia and the Armenians. A list of references. 1919 | .30 |
| Article of Faith, An, by Hiller C. Wellman. 1919 | .05 |
| Assyria and Babylonia. A list of references. 1918 | .45 |
| Astor Library, Catalogue of the. 8 volumes. Sewed. Per volume | 5.00 |
| Automobile Tires. A list of references. 1923 | .10 |
| Avery Collection, Handbook of. 1901. 84 p. | .50 |
| Avery Collection, Handbook of — Supplement: Additions of Prints, 1901–1920. 1921 | .15 |
| Avesta and Romani, by Albert Thomas Sinclair. 1916 | .05 |
| Beadle Collection of Dime Novels. 1922 | .50 |
| Beaumarchais, Editions of, in New York City. 1925 | .15 |
| Berlin and the Prussian Court in 1798. From a ms. journal of Thomas Boylston Adams. 1916 | .15 |
| Billings, Dr. John Shaw, Memorial Meeting in honor of the late. 1913 | .10 |
| British Genealogy and Local History, List of works relating to. 1910 | 1.15 |
| Chiaroscuro Prints, by Frank Weitenkampf. 1916 | .05 |

| | PRICE |
|---|---|
| City Planning and Allied Topics, Select list of works relating to. 1913 | .15 |
| Color Photography. 1924 | .75 |
| Columbus. Letter of Columbus on the discovery of America. Facsimile of the pictorial edition, with a new and literal translation, and a complete reprint of the four oldest Latin editions. 1892. Cloth | .50 |
| Commencement Addresses by Stephen H. Olin and Carl B. Roden. 1924 | .10 |
| The Compensations, by Asa Don Dickinson. 1922 | .05 |
| Constitutions and Constitutional Law, List of books and articles on. 1904 | .40 |
| Cruise of the U. S. Brig *Argus* in 1813. Journal of Surgeon James Inderwick. 1917 | .10 |
| Dehydrated Foods. A list. 1917 | .05 |
| Diplomatic History of the European War. A list of references. 1917 | .10 |
| Does New York Know New York? Its Library, for Instance, by Edward J. O'Brien. 1919 | Free |
| Druids and Druidism. A list of references. 1920 | .05 |
| Early American Poetry, 1610 to 1820. A list of works. 1917 | .20 |
| Echo-Device in Literature. By Elbridge Colby. 1920 | .25 |
| Egypt, Ancient. Sources of Information. 1925 | 2.75 |
| Emmet Collection of Mss., Prints, etc., Catalogue of. Sheets. 1900 | 5.00 |
| Eno Collection of New York City Views. 1925 | .75 |
| Flatboating on the Yellowstone, 1877. By Fred G. Bond. 1925 | .25 |
| Folk Music of the Western Hemisphere. 1925 | .50 |
| Foreign Plays in English. A list of translations. 1920 | .80 |
| Geology, Mineralogy and Palæontology of New Jersey, List of works on. 1916 | .15 |
| Gypsies in Carniola and Carinthia, by Albert Thomas Sinclair. 1917 | .05 |
| Gypsies of Monastir, by Rev. Lewis Bond. 1917 | .05 |
| Heritage of the Modern Printer, by Margaret B. Stillwell. 1916 | .05 |
| Historical Printing Club, Publications of the. (List and prices furnished upon application.) | |
| Historical Prints and Early Views of American Cities. Catalogue of Exhibition. 1917 | .05 |
| Holcroft, Thomas, A Bibliography of. By Elbridge Colby. 1922 | .60 |
| Holt, John — Printer and Postmaster. 1920 | .10 |
| Hudson, Henry, The Hudson River, Robert Fulton and Steam Navigation, List of prints, books, manuscripts, etc., relating to. 1909 | .30 |
| The Illustrated Book, by Frank Weitenkampf. 1919 | .05 |
| Illustrated Books of the Past Four Centuries. A record of the exhibition, 1919. 1920 | .15 |
| Inventory of the Rensselaerswyck Manuscripts. 1924 | .25 |
| Isle de Bourbon (Réunion) Documents, 1701–1710. Printed from the original manuscript in the Library. 1909 | .20 |
| Japanese-American Relations. A list of works. 1921 | .40 |
| Jesuit-Huron Relation of 1648–1649 — A hitherto unknown edition of. By V. H. Paltsits. 1923 | .05 |
| Journalism. A bibliography. 1924 | 2.00 |
| Joys of Librarianship, by Arthur E. Bostwick. 1918 | .05 |
| Kennan Collection. By Abraham Yarmolinsky. 1921 | .10 |
| Latin-American Periodicals Current in the Reference Department. 1920 | .05 |
| Letters of American Clergymen, 1711 to 1860. 1917 | .05 |
| Letters of American Physicians and Surgeons. 1919 | .05 |
| The Librarian Himself, by H. L. Koopman. 1916 | .05 |
| Librarian as a Unifier, by Andrew Keogh. 1915 | .05 |
| Library Tonic, by George Parker Winship. 1917 | .05 |
| Library's Print Room, by Frank Weitenkampf. 1915 | Free |
| Lycanthropy. A list of works. 1920 | .05 |
| The Manuscript Division, by Victor Hugo Paltsits. 1915 | .15 |
| Minimum Wage. A preliminary list of selected references. 1913 | .10 |
| Mountaineering. Selected list. 1916 | .05 |

| | PRICE |
|---|---|
| Music Publishers in New York City before 1850. A directory. 1917 | .10 |
| Nationalization of Coal Mines. 1920 | .10 |
| Naval Architecture and Shipbuilding. A list of references. 1919 | .20 |
| The New York Public Library and the Business Man. 1923 | Free |
| Newspapers and Official Gazettes, Checklist of. 1915 | 1.85 |
| Numismatics. List of works. 1914 | .65 |
| Old Prints in the Prints Division. 1918 | .05 |
| Oxy-Acetylene Welding. List. 1914 | .15 |
| Pageants in Great Britain and the United States. A list of references. 1916 | .15 |
| Paintings, Catalogue of, in the picture galleries of the Library. 1912 | .10 |
| "Parnassus" Tapestry in the Library, by George Leland Hunter. 1915 | .05 |
| Persia, List of works relating to. 1915 | .50 |
| The Photostat in Reference Work. 1925 | .15 |
| The Pitcairn Bible. 1924 | .15 |
| Prints: Recent Additions to the Print Collection. 1923 | .05 |
| Prints and their Production: Supplement. 1917 | .05 |
| Rembrandt, Exhibition of Etchings by. 1917 | Free |
| Robinson Locke Dramatic Collection. 1925 | .10 |
| Romani and Dard, by George F. Black. 1916 | .05 |
| Russian, other Slavonic and Baltic Periodicals, A list of. 1916 | .15 |
| Schoolroom Decoration. A list of references. 1917 | .05 |
| Scientific Management. A list of references. 1917 | .25 |
| Scotland. A list of works. 1916 | 3.00 |
| Shakespeareana, Catalogue of Exhibition of, compiled by Henrietta C. Bartlett. 1916 | 1.00 |
| Small Library about a Great City. 1923 | Free |
| The Soul of the Library, by J. I. Wyer. 1923 | .05 |

| | PRICE |
|---|---|
| Spalding Baseball Collection. 1922 | .20 |
| Spencer Collection of Modern Book Bindings. 1914 | .15 |
| Stauffer Print Collection, by Charles Allen Munn. 1916 | .05 |
| Storage Batteries. A list of references, 1900–1915. 1915 | .15 |
| Submarines. A list of references. 1918 | .35 |
| Superstructures, by W. N. C. Carlton. 1918 | .05 |
| Thirty-six Books. 1921 | Free |
| Tilden, S. J. Letters and Literary Memorials, edited by John Bigelow. 2 v. 1908 | 6.00 |
| Tilden, S. J. Writings and Speeches, edited by John Bigelow. 2 v. 1885 | 6.00 |
| Timothy Dexter and His "Pickle for the Knowing Ones." 1922 | .15 |
| To-Nebraska in '57. A Diary of Erastus F. Beadle. 1923 | 2.00 |
| Torpedoes. A list of references. 1917 | .30 |
| War Memorials. A list. 1919 | .05 |
| War Taxation, 1914–1917. A list of references. 1917 | .05 |
| Washington Eulogies. A checklist. 1916 | .25 |
| Washington's Note Book. Selections from a newly discovered manuscript, edited by Victor Hugo Paltsits. 1920 | .05 |
| Water Supply of the City of New York, Exhibition illustrating the history of, from 1639 to 1917. 1917 | Free |
| What Did Macaulay Say About America? Text of four letters to Henry S. Randall. 1925 | .40 |
| What's the Matter with the Public Library, by E. L. Pearson. 1922 | Free |
| Why They Came to the Library. 1920 | Free |
| Winthrop, Theodore, Bibliographical notes on, by Elbridge Colby. 1917 | .05 |
| Winthrop Books, Plates of the, by Elbridge Colby. 1918 | .05 |

## MUNICIPAL REFERENCE LIBRARY

Publications to be obtained at the Municipal Reference Library, Room 512, Municipal Building.

| | PRICE |
|---|---|
| Guide Posts on the Road to Health; A list of books | .10 |
| Teaching Citizenship via the Movies. A survey of civic motion pictures | .10 |
| Visualizing Citizenship | .15 |
| What to Read on New York City Government. A list of references | .05 |

## CIRCULATION DEPARTMENT

Publications to be obtained at any Branch Library, or from the Chief of the Circulation Department, 476 Fifth Avenue. Publications given free unless otherwise stated.

Branch Library Book News. *See* Periodicals.

### LISTS OF BOOKS FOR ADULTS

Altman Collection

Books of Interest to Women Voters

Catalogue of Books for the Blind in Revised Braille. Grades One, Two and Three. November, 1921; Supplements, December, 1922, January, 1925

Catalogue of Books for the Blind in Revised Braille. Grade One-and-a-Half. November, 1921; Supplements, October, 1924, May, 1925.

Catalogue of Books for the Blind in the Moon Type. November, 1921; Supplements, December, 1922, October, 1924

Catalogue of Music Scores in the Braille Type. July, 1922; Supplement, September, 1923

Christmas Exhibit

Current Periodicals and Newspapers on File at the Branches

Fairy Tales for Grown-up Readers

List of Piano Music

Military Training

"The New York of the Novelists"

Old-Fashioned Novels

Plays of Thirteen Countries

Poetry of the Supernatural

Polish Book List

Sailor's Yarns. 2 cents

Stories of Romance and Imagination

Stories of the Sea. 5 cents

Supplement to the Catalogue of Music for the Blind. Music Scores in the American Braille and New York Point Types

Wanderers and Vagabonds

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List in Embossed Type:

Catalogue of Books for the Blind — New York Point edition, January, 1921. 10 cents

### LISTS FOR CHILDREN

Favorite Stories of the Library Reading Clubs

Journeys to Foreign Lands

### LISTS FOR ADULTS AND CHILDREN

New York City and the Development of Trade

Sea and Shore

The Shakespearian Festival

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*Editor*, Edmund Pearson, 476 Fifth Avenue.


## BUILDINGS AND BRANCHES

Central Building, 476 Fifth Avenue, contains general administrative offices of the whole system, all Divisions of the Reference Department, and the Central Circulation Branch, Central Children's Room, Library for the Blind, and the Extension Division.

Municipal Reference Branch, Room 512, Municipal Building. (Free for reference.)

### CIRCULATION BRANCHES

#### MANHATTAN

33 East Broadway. (Chatham Square.)
192 East Broadway. (Seward Park.)
61 Rivington Street.
388 E. Houston St. (Hamilton Fish Park.)
66 Leroy Street. (Hudson Park.)
135 Second Avenue. Near Eighth Street. (Ottendorfer.)
331 East 10th Street. (Tompkins Square.)
251 West 13th Street. (Jackson Square.)
228 East 23rd Street. (Epiphany.)
209 West 23rd Street. (Muhlenberg.)
303 East 36th Street. (St. Gabriel's Park.)
457 West 40th Street.
123 East 50th Street. (Cathedral.)
742 Tenth Avenue. Near 51st Street. (Columbus.)
121 East 58th Street.
328 East 67th Street.
190 Amsterdam Avenue. Near 69th Street. (Riverside.)
1465 Avenue A. Near 78th St. (Webster.)
222 East 79th Street. (Yorkville.)
444 Amsterdam Avenue. Near 81st Street. (St. Agnes.)
112 East 96th Street.
206 West 100th Street. (Bloomingdale.)
174 East 100th Street. (Aguilar.)
203 West 115th Street.
9 West 124th Street. (Harlem Library.)
224 East 125th Street.
Room 108a, Columbia University Library. (Columbia Sub-branch.)
518 West 125th Street. (George Bruce.)
103 West 135th Street.
503 West 145th Street. (Hamilton Grange.)
1000 St. Nicholas Avenue. Cor. 160th Street. (Washington Heights.)
535 West 179th Street. (Fort Washington.)
190 Sherman Ave. (Inwood Sub-branch.)

#### THE BRONX

321 East 140th Street. (Mott Haven.)
761 East 160th Street. (Woodstock.)
910 Morris Avenue. Corner 162nd Street. (Melrose.)
78 West 168th Street. (High Bridge.)
610 East 169th Street. (Morrisania.)
1866 Washington Avenue. Cor. 176th Street. (Tremont.)
1741 Wallace Ave. (Van Nest Sub-branch.)
2556 Bainbridge Avenue. (Fordham.)
3041 Kingsbridge Avenue. Near 230th Street. (Kingsbridge.)
3917 White Plains Road. Cor. 219th Street. (Williamsbridge Sub-branch.)
325 City Island Avenue. (City Island Sub-branch.)

#### RICHMOND

5 Central Avenue, Tompkinsville, P. O. (St. George.)
75 Bennett Street. (Port Richmond.)
85 State Street. (West New Brighton Sub-branch.)
132 Canal Street. (Stapleton.)
7430 Amboy Road. (Tottenville.)